Analytical Data Package Prepared For

Pacific Northwest National Lab

Radiochemical Analysis By

STL Richland STLRL

2800 G.W. Way, Richland Wa, 99354, (509)-375-3131.

Data Package Contains _____ Pages

Report Nbr: 34821

SDG Nbr	ORDER Nbr	CLIENT ID NUMBER	LOT Nbr	WORK ORDER	RPT DB ID	BATCH
W05121	W07-002	B1M870	J7B120175-1	JPAPPIAA	9.IPA PP10	7050420
		B1M870	J7B120175-1	JPAPP1AC	9 I DA PP10	7050700
		B1M870	J7B120175-1	IPAPPIAD	9 IPA PP10	7050400
		B1M902	J7B120175-2	JPAPRIAA	9.IPAPR10	7050402
		B1M902	J7B120175-2	JPAPR1AC	9.IPAPR10	7050408
		B1M907	J7B120175-3	JPAP21AA	9,IPAP210	7050417
		B1M907	J7B120175-3	JPAP21AC	9,JPAP210	7050408
		B1M906	J7B120175-4	JPAP51AA	9,IPAP510	7050417
		B1M906	J7B120175-4	JPAP51AC	9.IPAP510	7050408
		B1M951	J7B130255-1	JPDCV1AA	9.IPDCV10	7050417
		B1M951	J7B130255-1	JPDCV1AC	9JPDCV10	7050408
	S07-002	B1M7F9	J7B130298-1	JPDMRIAA	9.IPDMR10	7050424
		B1M7F9	J7B130298-1	JPDMRIAC	9.IPDMR10	7050422
		B1M7F9	J7B130298-1	JPDMRIAD	9.IPDMR10	7050426
, and		B1M7H2	J7B130298-2	JPDMT1AA	9.IPDMT10	7050424

Comments:

Report Nbr: 34821

BATCH	7050417	7050420	7050424	7050408	7050402	7050417	7050420	7050424	7050408	7050402	7050428	7050430	7050420	7050408	7050428	7050430	7050420	7050408	7050428	7050430	7050420	7050408	7050428	7050430	7050420	7050408
RPT DB ID	9.IPDMW10	9.PDMW10	9.IPDMW10	9JPDMW10	9JPDMW10	9JPD/M310	9JPDM310	9,PDM310	9JPDM310	9JPDM310	9JPHEX10	9JPHEX10	9JPHEX10	9JPHEX10	9JPHFA10	9JPHFA10	9JPHFA10	9JPHFA10	9JPHFH10	9ЈРНЕН10	9.JPHFH10	9ЈРНГН10	9JPHFJ10	9JPHFJ10	9JPHFJ10	9JPHFJ10
WORK ORDER	JPDMW1AA	JPDMW1AC	JPDMW1AD	JPDMW1AE	JPDMW1AF	JPDM31AA	JPDM31AC	JPDM31AD	JPDM31AE	JPDM31AF	JPHEX1AA	JPHEX1AC	JPHEX1AD	JPHEX1AE	JPHFA1AA	JPHFA1AC	JPHFA1AD	JPHFA1AE	JPHFH1AA	JPHFH1AC	JPHFH1AD	JPHFH1AE	JPHFJ1AA	JPHFJ1AC	JPHFJ1AD	JPHFJ1AE
LOT Nbr	J7B130298-3	J7B130298-3	J7B130298-3	J7B130298-3	J7B130298-3	J7B130298-4	J7B130298-4	J7B130298-4	J7B130298-4	J7B130298-4	J7B150271-1	J7B150271-1	J7B150271-1	J7B150271-1	J7B150271-2	J7B150271-2	J7B150271-2	J7B150271-2	J7B150271-3	J7B150271-3	J7B150271-3	J7B150271-3	J7B150271-4	J7B150271-4	J7B150271-4	J7B150271-4
CLIENT ID NUMBER	BIM7H7	B1M7H7	B1M7H7	B1M7H7	B1M7H7	B1M7H8	B1M7H8	B1M7H8	B1M7H8	B1M7H8	B1M9B1	B1M9B1	B1M9B1	B1M9B1	B1M9C1	B1M9C1	B1M9C1	B1M9C1	B1M9C6	B1M9C6	B1M9C6	B1M9C6	B1M9D6	B1M9D6	B1M9D6	B1M9D6
ORDER Nbr	S07-002									,	W07-002															
SDG Nbr	W05121																									

BATCH	7050417	7050428	7050408	7050402	7050430	7050430	7050430	7050430	7050420	7050405	7050417	7050405	7050402	7050417	7050405	7050402
RPT DB ID	9.IPHG.110	9.PHC.110	9,IPHG.110	9.JPHG.110	9.IPHG120	9.IPHHE10	9.IPHHH110	9.IPHHN10	9JPMDG10	9.IPMDG10	9.IPMDH10	9JPMDH10	9JPMDH10	9JPMDJ10	9JPMDJ10	9JPMDJ10
WORK ORDER	JPHGJIAA	JPHGJ1AC	JPHGJ1AE	JPHGJ1AF	JPHGJ2AD	JPHHE1AA	JPHHH1AA	JPHHNIAA	JPMDG1AA	JPMDG1AC	JPMDH1AA	JPMDH1AC	JPMDH1AD	JPMDJ1AA	JPMDJ1AC	JPMDJ1AD
LOT Nbr	J7B150278-1	J7B150278-1	J7B150278-1	J7B150278-1	J7B150278-1	J7B150285-1	J7B150285-2	J7B150285-3	J7B180101-1	J7B180101-1	J7B180101-2	J7B180101-2	J7B180101-2	J7B180101-3	J7B180101-3	J7B180101-3
CLIENT ID NUMBER	B1LD97	B1LD97	B1LD97	B1LD97	B1LD97	B1M5Y2	B1M5X8	B1M5X9	B1M854	B1M854	B1M8L2	B1M8L2	B1M8L2	B1M8J2	B1M8J2	B1M8J2
ORDER Nbr	S07-012					G07-002			W07-002							
SDG Nbr	W05121															



STL Richland 2800 George Washington Way Richland, WA 99354

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Certificate of Analysis

Pacific Northwest National Laboratories Sigma V Building Richland, WA 99352

March 29, 2007

Attention: Dot Stewart

SAF Number :

Date SDG Closed :

Number of Samples :

Sample Type : Water SDG Number : W05121

Data Deliverable : 45-Day / Summary

CASE NARRATIVE

February 15, 2007

Twenty (20)

S07-012, G07-002, W07-002, S07-002

I. Introduction

Between February 9, 2007 and February 15, 2007, twenty water samples were received at STL Richland (STLR) for radiochemical analysis. Upon receipt, the samples were assigned the following laboratory ID numbers to correspond with the Pacific Northwest National Laboratories (PGW) specific IDs:

PGW ID#	STLR ID#	<u>MATRIX</u>	DATE OF RECEIPT
B1M870	JPAPP	WATER	2/9/07
B1M902	JPAPR	WATER	2/9/07
B1M907	JPAP2	WATER	2/9/07
B1M906	JPAP5	WATER	2/9/07
B1M8L2	JPDCV	WATER	2/12/07
B1M7F9	JPDMR	WATER	2/12/07
B1M7H2	JPDMT	WATER	2/12/07
B1M7H7	JPDMW	WATER	2/12/07
B1M7H8	JPDM3	WATER	2/12/07
B1M9B1	JPHEX	WATER	2/13/07
B1MPC1	JPHFA	WATER	2/13/07
B1M9C6	JPHFH	WATER	2/13/07
B1M9D6	JPHFJ	WATER	2/13/07

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	B1LD97	JPHGJ	WATER	2/14/07
	B1M5Y2	JPHHE	WATER	2/14/07
	B1M5X8	JР <del>Н</del> НН	WATER	2/14/07
	BIM5X9	JPHHN	WATER	2/14/07
	B1M854	JPMDG	WATER	2/15/07
	B1M8L2	JPMDH	WATER	2/15/07
	B1M8J2	JPMDJ	WATER	2/15/07

### II. Sample Receipt

The samples were received in good condition and no anomalies were noted during check-in.

### III. Analytical Results/Methodology

The analytical results for this report are presented by laboratory sample ID. Each set of data includes sample identification information, analytical results and the appropriate associated statistical errors.

The requested analyses were:

Alpha Spectroscopy

Plutonium-238, -239/240 by method RICH-RC-5010

**Gas Proportional Counting** 

Gross Alpha by method RICH-RC-5014

Gross Beta by method RICH-RC-5014

Strontium-90 by method RICH-RC-5006

Gamma Spectroscopy

Gamma Spec (LL) by method RICH-RC-5017

Iodine-129 (LL) by method RICH-RC-5025

Liquid Scintillation Counting

Technetium-99 by TEVA method RICH-RC-5065

Tritium by method RICH-RC-5007

Laser Induced Phosphorimetry

Total Uranium by method RICH-RC-5058

### IV. Quality Control

The analytical results for each analysis performed includes a minimum of one laboratory control sample (LCS), one method (reagent) blank, and one duplicate sample analysis. Any exceptions have been noted in the "Comments" section.

QC and sample results are reported in the same units.

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### V. Comments

### Alpha Spectroscopy

### Plutonium-238, -239/240 by method RICH-RC-5010

The LCS, batch blank, samples and sample duplicate (B1M7F9) results are within contractual requirements.

### **Gas Proportional Counting**

### Gross Alpha by method RICH-RC-5014:

The LCS, batch blank, samples and sample duplicate (B1M9B1) results are within contractual requirements.

### Gross Beta by method RICH-RC-5014:

On the first analysis the duplicates were out. They were recounted with good results. The blank is above ½ the CRDL at 2.42. All samples except B1M5X9 have results that exceed the CRDL. Data is accepted. Except as noted, the LCS, batch blank, samples and sample duplicate (B1LD97) results are within contractual requirements.

### Strontium-90 by method RICH-RC-5006

The LCS, batch blank, samples and sample duplicate (B1M7F9) results are within contractual requirements.

### Gamma Spectroscopy

### Gamma Spec (LL) by method RICH-RC-5017:

The LCS, batch blank, samples and sample duplicate (B1M7H8) results are within contractual requirements.

### Iodine-129 (LL) by method RICH-RC-5025:

The LCS, batch blank, samples and sample duplicate (B1M7F9) results are within contractual requirements.

### **Liquid Scintillation Counting**

### Technetium-99 by TEVA method RICH-RC-5065:

The LCS, batch blank, samples, sample duplicate (B1M870), and sample matrix spike (B1M902) results are within contractual requirements.

### <u>Technetium-99</u> by method RICH-RC-5078:

The LCS, batch blank, samples, sample duplicate (B1M854), and sample matrix spike (B1M8L2) results are within contractual requirements.

### Tritium by method RICH-RC-5007:

The LCS, batch blank, samples and sample duplicate (B1M8L2) results are within contractual requirements.

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### **Total Uranium**

Total Uranium by method RICH-RC-5058:

The LCS, batch blank, samples, sample duplicate (B1M870), and sample matrix spike (B1M7H7) results are within contractual requirements.

I certify that this Certificate of Analysis is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager, or a designee as verified by the following signature.

Reviewed and approved:

Sherryl A. Adam

Project Manager

**Drinking Water Method Cross References** 

	DRINKING WAT	ER ASTM METHOD CROSS REFERENCES
Referenced Method	Isotope(s)	STL Richland's SOP number
EPA 901.1	Cs-134, I-131	RICH-RC-5017
EPA 900.0	Alpha & Beta	RICH-RC-5014
EPA 903.1	Ra-226	RICH-RC-5005
EPA 904.0	Ra-228	RICH-RC-5005
EPA 905.0	Sr89/90	RICH-RC-5006
ASTM D2460	Total Radium	RICH-RC-5027
Standard Method 7500-U-C & ASTM D5174	Uranium	RICH-RC-5058
EPA 906.0	Tritium	RICH-RC-5007
NOTE:		
The Gross Alpha LCS is prepared with Am-24	11 (unless otherwis	se specified in the case narrative)
The Gross Beta LCS is prepared with Sr/Y-90	(unless otherwise	e specified in the case narrative)

### **Uncertainty Estimation**

STL Richland has adopted the internationally accepted approach to estimating uncertainties described in "NIST Technical Note 1297, 1994 Edition". The approach, "Law of Propagation of Errors", involves the identification of all variables in an analytical method which are used to derive a result. These variables are related to the analytical result (R) by some functional relationship, R = constants * f(x,y,z,...). The components (x,y,z) are evaluated to determine their contribution to the overall method uncertainty. The individual component uncertainties  $(u_i)$  are then combined using a statistical model that provides the most probable overall uncertainty value. All component uncertainties are categorized as type A, evaluated by statistical methods, or type B, evaluated by other means. Uncertainties not included in the components, such as sample homogeneity, are combined with the component uncertainty as the square root of the sum-of-the-squares of the individual uncertainties. The uncertainty associated with the derived result is the combined uncertainty  $(u_c)$  multiplied by the coverage factor (1,2, or 3).

When three or more sample replicates are used to derive the analytical result, the type A uncertainty is the standard deviation of the mean value (S/vn), where S is the standard deviation of the derived results. The type B uncertainties are all other random or non-random components that are not included in the standard deviation.

The derivation of the general "Law of Propagation of Errors" equations and specific example are available on request.

**Report Definitions** 

	Report Definitions	
Action Lev	An agreed upon activity level used to trigger some action when the final result is greater than or equal to the Action Level. Often the Action Level is related to the Decision Limit.	7
Batch	The QC preparation batch number that relates laboratory samples to QC samples that were prepared and analyzed together.	
Bias	Defined by the equation (Result/Expected)-1 as defined by ANSI N13.30.	-
COC No	Chain of Custody Number assigned by the Client or STL Richland.	
Count Error (#s)	Poisson counting statistics of the gross sample count and background. The uncertainty is absolute and in the same units as the result. For Liquid Scintillation Counting (LSC) the batch blank count is the background.	,
Total Uncert (#s)  u _c _Combined  Uncertainty.	All known uncertainties associated with the preparation and analysis of the sample are propagated to give a measure of the uncertainty associated with the result, $u_c$ the combined uncertainty. The uncertainty is absolute and in the same units as the result.	
(#s), Coverage	The coverage factor defines the width of the confidence interval, 1, 2 or 3 standard deviations.	
CRDL (RL)	Contractual Required Detection Limit as defined in the Client's Statement Of Work or STL Richland "default" nominal detection limit. Often referred to the reporting level (RL)	
· Le	Decision Level based on instrument background or blank, adjusted by the Efficiency, Chemical Yield, and Volume associated with the sample. The Type I error probability is approximately 5%. Lc=(1.645 * Sqrt(2*(BkgrndCnt/BkgrndCntMin)/SCntMin)) * (ConvFct/(Eff*Yld*Abn*VoI) * IngrFct). For LSC methods the batch blank is used as a measure of the background variability. Lc cannot be calculated when the background count is zero.	
Lot-Sample No	The number assigned by the LIMS software to track samples received on the same day for a given client. The sample number is a sequential number assigned to each sample in the Lot.	
MDC MDA	Detection Level based on instrument background or blank, adjusted by the Efficiency, Chemical Yield. and Volume with a Type I and II error probability of approximately 5%. MDC = (4.65 * Sqrt((BkgrndCnt/BkgrndCntMin)/SCntMin) + 2.71/SCntMin) * (ConvFct/(Eff * Yld * Abn * Vol) * IngrFct). For LSC methods the batch blank is used as a measure of the background variability.	
Primary Detector	The instrument identifier associated with the analysis of the sample aliquot.	
Ratio U-234/U-238	The U-234 result divided by the U-238 result. The U-234/U-238 ratio for natural uranium in NIST SRM 4321C is 1.038.	
Rst/MDC	Ratio of the Result to the MDC. A value greater than 1 may indicate activity above background at a high level of confidence. Caution should be used when applying this factor and it should be used in concert with the qualifiers associated with the result.	
Rst/TotUcert	Ratio of the Result to the Total Uncertainty. If the uncertainty has a coverage factor of 2 a value greater than 1 may indicate activity above background at approximately the 95% level of confidence assuming a two-sided confidence interval. Caution should be used when applying this factor and it should be used in concert with the qualifiers associated with the result.	
Report DB No	Sample Identifier used by the report system. The number is based upon the first five digits of the <b>Work Order</b> Number.	
RER	The equation Replicate Error Ratio = $(S-D)/[sqrt(TPUs^2 + TPUd^2)]$ as defined by ICPT BOA where S is the original sample result, D is the result of the duplicate, TPUs is the total uncertainty of the original sample and TPUd is the total uncertainty of the duplicate sample.	
SDG	Sample Delivery Group Number assigned by the Client or assigned by STL Richland upon sample receipt.	
Sum Rpt Alpha Spec Rst(s)	The sum of the reported alpha spec results for tests derived from the same sample excluding duplicate result where the results are in the same units.	
Work Order	The LIMS software assign test specific identifier.	
Yield	The recovery of the tracer added to the sample such as Pu-242 used to trace a Pu-239/40 method.	;

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Analyte         CAS#           H-3         10028-           TC-99         14133-	17-8	Result 7.04E+03 2.64E+02	Unit O	<b>CntU 2S</b> 2.9E+02	Totu 2S (4.2E+02)	Qual M	MDA TrcYield 2.98E+02 100.0	Method 906.0_H3_LSC		Uz/Ug/ Unit	02/09/2007 10:14  Unit Analy Date/Time  L 03/13/2007 06:15
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Client Te Id: Us B1M870	Test User M\	Contract SAF Nb Nbr MW6-SBB-A1 W07-002	SAF Nbr N07-002	Sdg Nbr: W05121	ac Type:	Moisture/ Solids%*:	re/ Distilled %*: Volume	lled Sample me On Date:	<u>.</u>	100	Collection Date:
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	13967-70-9	-3.62E+00				U 4.6	4.68E+00	GAMMALL_GS	2.0026E+00	_	
	10045-97-3	-2.43E+00				U 4.1	4.18E+00	GAMMALL_GS	2.0026E+00		03/15/2007 11:48
EU-152 14683	14683-23-9	2.51E+00				U 1.0	1.09E+01	GAMMALL_GS	2.0026E+00	_	
	15585-10-1	8.06E-01				J.4	1.43E+01	GAMMALLGS	2.0026E+00		03/15/2007 11:48
	14391-16-3	-5.41E-01			_	0.6 U	9.97E+00	GAMMALL_GS	2.0026E+00		03/15/2007 11:48
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<b>Batch</b> 7050417 7050408	Analyte H-3 TC-99	CAS# 10028-17-8 14133-76-7	Result 1.01E+03 2.34E+02	Unit PCI/L PCI/L	1.6 9.4	<b>TotU 2S</b> 1.8E+02 2.0E+01	Qual	MDA TrcYield 2.99E+02 100.0 1.03E+01 100.0	TrcYield 100.0 100.0	Method 906.0_H3_LSC TC99_ETVDSK_LS	Alq Size 5.00E-03 5.1.251E-01	02/12// <b>Unit</b> L	02/12/2007 12:39  Unit Analy Date/Time  L 03/13/2007 08:1  L 03/03/2007 04:5	ime Act 08:59   04:24
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Batch		#000	MW6-SBB-A1	S07-002	W05121	;						02/12/2	02/12/2007 11:36	
7050417	H-3	10028-17-8	1.35E+04	DCI/L	Cnt <b>U 2S</b> 3.9E+02	FotU 2S C 6.6E+02	Qual	MDA 7 2.98E+02	TrcYield 2 100 0	Method	Alq Size	Ling -		ne Act
7050420	BE-7	13966-02-4	2,08E-01	pCi/L	2.7E+01	2.7E+01	⊃	5.01E+01		GAMMALL GS	1.9597F±00	J	03/13/2007	13:03
/050420	09-00	10198-40-0	6.11E+01	pCi/L	1.5E+01	1.5E+01		2.56E+00			1.9597E+00	ا		11.10
7050420	CS-134	13967-70-9	-1.63E-01	pCi/L	3.0E+00	3.0E+00	$\Box$	5.48E+00	-	GAMMALL_GS	1.9597E+00	ـــ ا		11.40
7050420	CS-137	10045-97-3	4.19E+00	pCi/L	3.7E+00	3.7E+00	$\supset$	7.11E+00	<i>-</i>	GAMMALL_GS	1.9597E+00			11.49
7050420	EU-152	14683-23-9	3.07E+00	pCi/L	6.2E+00	6.2E+00	$\supset$	1.15E+01	-	GAMMALL_GS	1.9597E+00	ا ا		11.40
7050420	EU-154	15585-10-1	-1.34E+00	pCi/L	6.4E+00	6.4E+00	)	1.21E+01	_	GAMMALL GS	1.9597E+00	ı _		4.40
7050420	EU-155	14391-16-3	2.03E+00	pCi/L	4.7E+00	4.7E+00		8.50E+00	J	GAMMALL GS	1 9597E±00	J		D (
7050420	X-40	13966-00-2	-2.40E+01	pCi/L	5.0E+01	5.0E+01	_	1.07E+02	_	1	1 9597E±00	_ L		94.
7050420	RU-106	13967-48-1	-7.04E+00	pCi/L	2.3E+01	2.3E+01		4.10E+01			1.9597 E.100	۔ د		11:49
7050420	SB-125	14234-35-6	2.92E+00	pCi/L	7.0E+00	7.0E+00	_	1.29E+01	J	1	1.9597E±00	L		11:49
7050424	I-129L	15046-84-1	2.67E+00	pCi/L	5.6E-01	5.6E-01			0.40	1 -	- 0	ـ لـ		11:49
7050408	TC-99	14133-76-7	2.29E+04	pCi/L	8.3E+01	1.4E+03	•			TC90 FTVDSK IS		۔ ب		15:44
7050402	Uranium	7440-61-1	8.68E+00		1.1E+00	1.1E+00	~			ITOT KPA	1.45 (E-U)	ב נ		06:29
40	Clipat	A to the second		i						מש"וסום	z.49E-UZ	ξ	03/20/2007 1	15:44
Sample Id: 9JPDMR10	B	uest User N	Contract Nbr MW6-SBB-A1	SAF Nbr S07-002	Sdg Nbr: W05121	oc Type:	Mois	Moisture/ Solids%*:	Distilled Volume	Sample On Date:		S CO CO	Collection Date:	
Batch	Analyte	CAS#	Result		CntU 2S 1	Totu 25 Or	Territor C	MOA	TroViola	144		72/21/20	02/12/2007 12:37	
7050424	I-129L	15046-84-1	4.24E+00	pCi/L (		******		-01		Meniod [129] SED FED	Aid Size (	# - -	_	e Act
7050422	PU-238	13981-16-3	2.97E-02	pCi/L	7.6E-02	7.6E-02				PUISO PLATE AF	9.5050E+00	<b>.</b> _		13:57
7050422	PU-239	PU-239/240	-7.44E-03	pCi/L	7.6E-02	7.6E-02	J			PIATE AF	2.006E-01	_ L	03/06/2007 19	19:04
7050426	SR-90	10098-97-2	5.49E-01	pCi/L ²	4.3E-01	4.4E-01	» 	8.52E-01	52.1 S	SEP_PRE	9.035E-01	ر ر		19:04
Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	OC Type:	Moisture/ Solids%*:	ture/ s%*:	Distilled	Sample On Date:		Colle		
STL Richland	7			, , , , , , , , , , , , , , , , , , ,									Date:	

Participa   Part	_								₹						
Maria   Costs   May   SBB-A1   Sign-302   Weight   May   Trevied   Method   Method   Alq Size   Life   Analyse   Method   Liber   Li	Form		FormatType:		ion: 05	Rpt ∧	lbr: 34821	•	File Name: 1	::\Reportdb	\edd\FeadIV\Rad\W051	121.Edd, h:\Rep	ortdb\ec	dd\FeadIV\Rad∖34≀	821.Edc
1,25 -11   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12   1,25 -12	3JPDMT1			MW6-SBB-A1							! : : !	:	02/12/2	2007 10:36	
Check   Test	<b>Batch</b> 7050424		<b>CAS</b> # 15046-84-1			CntU 2S 2.8E-01	<b>TotU 2S</b> 2.8E-01	Qual	-01	TrcYield 94.6	Method 1129LL_SEP_LEPS		_	<b>ate/T</b> 007	ne Act 3:57
MANY   CASS   Result   London   Monta   Mont	Lab Sample Ic		Test	Contract	SAFNE		•		oisture/	Distillec			8	lection	
Analyte         CAS#         Result         Unit         CrtU2S         TotU 2S         TotU 2S         TotU 2S         TotU 2S         TotU 2D         Osa         Method         Method         Ang State         Int         Analyte           20-66         1 1386-02-4         4.48E-04         DCML         2.7E-01         2.7E-01         4.78E-01         GCMAMALL GS         1.9998E-00         1.03752007 1148           20-66         1 1986-02-4         4.4EE-04         DCML         2.7E-01         1.2E-01         4.38E-00         GAMMALL GS         1.9998E-00         1.03752007 1148           25-134         1986-02-4         4.4EE-04         DCML         2.8E-00         3.4E-01         GAMMALL GS         1.9998E-00         1.03752007 1148           25-137         10048-77-2         1.38E-00         DCML         2.8E-00         3.4E-01         GAMMALL GS         1.9998E-00         1.03752007 1148           25-137         10048-77-2         1.07E-00         DCML         2.EE-00         3.EE-00         1.14E-01         GAMMALL GS         1.9998E-00         1.03752007 1148           25-143         1.048-00         DCML         2.EE-00         3.EE-00         1.14E-01         GAMMALL GS         1.9998E-00         1.03752007 1148	JPDMW.	10 B1M7H7		MW6-SBB-A1		W0512							02/12/2	Date: 2007 11:36	
1386-024 - 4.44E-04 pCNL 1.2E-01 1.2E-01 0 4.78E-01 GAMMALL GS 1.9999E-00 L GANISZON 11:48 13987-704 - 4.44E-00 pCNL 1.2E-01 1.2E-01 0 4.78E-01 GAMMALL GS 1.9999E-00 L GANISZON 11:48 13987-704 - 4.44E-00 pCNL 1.2E-01 1.2E-01 0 4.38E-00 GAMMALL GS 1.9999E-00 L GANISZON 11:48 13987-704 - 4.38E-00 pCNL 1.2E-01 1.2E-01 0 5.70E-00 GAMMALL GS 1.9999E-00 L GANISZON 11:48 13987-704 - 1.38E-00 pCNL 1.2E-01 1.2E-01 0 5.70E-00 GAMMALL GS 1.9999E-00 L GANISZON 11:48 13987-704 GAMMALL GS 1.9999E-00 L GANISZON 11:48 13987-704 GAMMALL GS 1.9999E-00 L GANISZON 11:48 13987-704 GAMMALL GS 1.9999E-00 L GANISZON 11:48 14391-163 - 1.38E-00 pCNL 1.2E-01 0 1.43E-01 U 6.2E-00 GAMMALL GS 1.9999E-00 L GANISZON 11:48 14391-163 - 1.38E-00 pCNL 1.2E-01 0 1.43E-01 U 6.2E-01 GAMMALL GS 1.9999E-00 L GANISZON 11:48 14391-163 - 1.38E-00 pCNL 1.2E-01 U 6.2E-01 U 6.2E-01 GAMMALL GS 1.9999E-00 L GANISZON 11:48 14391-163 - 1.38E-01 pCNL 1.2E-01 U 6.2E-01 U 6.2E-01 GAMMALL GS 1.9999E-01 L GANISZON 11:48 14391-163 - 1.38E-01 pCNL 1.2E-01 U 6.2E-01 U 6.2E-01 GAMMALL GS 1.9999E-01 L GANISZON 11:48 14391-163 - 1.38E-01 pCNL 1.2E-01 U 6.2E-01 U 6.2E-01 GAMMALL GS 1.9999E-01 L GANISZON 11:48 1433-76-1 gCNL 1.2E-01 GAMMALL GS 1.9999E-01 L GANISZON 11:48 1433-76-1 gCNL 1.2E-01 GAMMALL GS 1.9999E-01 L GANISZON 11:48 1433-76-1 gCNL 1.2E-01 GAMMALL GS 1.9999E-01 L GANISZON 11:49 GANI	Batch	Analyte	CAS#	Result		CntU 2S	TotU 2S	Qual		FrcYield	Method	Alo Size	i i	Analy Date/Tire	
13866-024   4.49E-40   DCML   12E-40   1.7E-40   4.78E-40   DCMMANLL GS   19999E-40   DCML	7050417	Н.3	10028-17-8	1.44E+04	pCi/L	4.0E+02	αı		3.00E+02	100.0	906.0 H3 LSC	5.00F-03	į –	-	6
101994-040   101994-040   101994-040   101994-040   101994-040   101994-040   101994-040   101994-040   101994-040   101994-040   101994-040   101994-040   101994-040   101994-040   101994-040   101994-040   101994-040   101994-040   101994-040   101994-040   101994-040   101994-040   101994-040   101994-040   101994-040   101994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   1019994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   1019994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   10199994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   1019994-040   101994-040   1019994-040   1019994-040   1019994-040   1019994-04	7050420	BE-7	13966-02-4			2.7E+01	2.7E+01	_	4.76E+01		GAMMALL GS	1.9999E+00	نـ ن		1-48
13867-704   13867-704   13864-00   13664-00   13664-00   136264-00   136824-00   136824-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   13682-30   1368	7050420	09-00	10198-40-0	6.14E+01	pCi/L	1.2E+01	1.2E+01		4.38E+00			1.9999E+00	ب ا		1-48
	7050420	CS-134	13967-70-9	-1.38E+00		3.4E+00	3.4E+00	⊃	5.82E+00			1.9999E+00	_		1.48
1488-23-9   1488-23-9   1488-10-9   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490   1490	7050420	CS-137	10045-97-3	3.03E+00	pCi/L	2.8E+00	2.8E+00	⊃	5.70E+00			1.9999E+00			1.48
	7050420	EU-152	14683-23-9	2.56E+00	pCi/L	6.1E+00	6.1E+00	⊃	1.14E+01		l j	1.9999E+00			1:48
1395-02   1375-04   1305-05   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305-04   1305	7050420	EU-154	15585-10-1	5.17E+00	pCi/L	6.2E+00	6.2E+00	כ	1.43E+01			1.9999E+00			1.48
Name	7050420	EU-155	14391-16-3	-1.30E+00		4.7E+00	4.7E+00	Ο	8.09E+00		l J	1.9999E+00			1:48
13967-48-1   -5.225+00   DCM   C.55+01   DCM	7050420	K-40	13966-00-2	1.87E+01	pCi/L	4.8E+01	4.8E+01	$\supset$	1.08E+02		- 1	1.9999E+00		· ·	1:48
1284   1284-35-6   14234-35-6   14204-35-6   14204-35-6   14204-35-6   14204-35-6   14204-35-6   14204-35-6   14204-35-6   15046-84-1   12804   15046-84-1   12804   15046-84-1   12804   15046-84-1   12804   12804-35-7   12804-94-1   1000   17094-1804-1   12804-96-1   1000   17094-1804-1   12804-96-1   12804-96-1   1000   17094-1804-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   12804-96-1   128	7050420	RU-106	13967-48-1	-5.22E+00		2.5E+01	2.5E+01	⊃	4.52E+01		GAMMALL_GS	1.9999E+00	_		1:48
15046-84-1   3.23E+00   DCI/L   S.9E-01   5.9E-01   3.09E-01 94.9   1129LL_SEP_LEPS 3.9613E+00   L   03/13/2007 15.43     14133-76-7   2.30E+04   DCI/L   8.3E+01   1.4E+03   1.02E+01 100.0   TC99_ETVDSK_LS 1.249E-01   L   03/13/2007 15.34     14133-76-7   2.30E+04   DCI/L   8.3E+01   1.4E+03   1.02E+01 100.0   TC99_ETVDSK_LS 1.249E-01   L   03/13/2007 15.34     14133-76-7   2.30E+04   DCI/L   8.3E+01   1.4E+03   1.1E+00   DISHING	7050420	SB-125	14234-35-6	4.76E-01	pCi/L	5.3E+00	5.3E+00	⊃	9.86E+00		GAMMALL GS	1.9999E+00			1.48
C-99         14133-76-7         2.30E+04         pCi/L         8.3E+01         1.02E+01         1000         TC99_ETVDSK_LS 1.249E-01         L         03032007         05.22           Jranium         7440-61-1         9.01E+00         ug/L         1.1E+00	7050424	I-129L	15046-84-1	3.23E+00	pCi/L	5.9E-01	5.9E-01		3.09E-01	94.9	1129LL_SEP_LEPS		<b>ل</b> ـ.		5.43
National Parish   19,01E+00   ug/L   1.1E+00   1.1E+00   1.1E+00   ug/L   National Parish   National Parish Parish   National Parish   National Parish   National Parish   N	7050408	TC-99	14133-76-7	2.30E+04	pCi/L	8.3E+01	1.4E+03		1.02E+01	100.0	TC99 ETVDSK LS			-	5.27
Client         Test         Contract         SAF Nbr         Sdg         QC         Moisture/s ld:         Distilled         Sample         Collection           MW6-SBB-A1         NDr         Nbr         Type:         Solids%*:         Volume         On Date:         0A Date:           Analyte         CAS#         Result         Unit         TrVD-02         W05121         Type:         Solids%*:         Volume         On Date:         0A Date:         Date: </td <td>7050402</td> <td>Uranium</td> <td>7440-61-1</td> <td>9.01E+00</td> <td>ug/L</td> <td>1.1E+00</td> <td>1.1E+00</td> <td></td> <td>8.32E-02</td> <td></td> <td>UTOT_KPA</td> <td></td> <td>¥</td> <td></td> <td>5:34</td>	7050402	Uranium	7440-61-1	9.01E+00	ug/L	1.1E+00	1.1E+00		8.32E-02		UTOT_KPA		¥		5:34
id:         User         Nbr         Type:         Solids%:         Volume         On Date:         On Date:         On Date:	Lab	Client	Test	Contract	SAF Nb		ဗ	M	nisture/	Distilled	Samole		Ç	lection	4
Analyte CAS# Result Unit CntU 2S TotU 2S Qual MDA TrcYield Method Alq Size Unit Analy DataFrime  Alalyte CAS# Result Unit CntU 2S TotU 2S Qual MDA TrcYield Method Alq Size Unit Analy DataFrime  Alalyte CAS# Result Unit CntU 2S TotU 2S Qual MDA TrcYield Method Alq Size Unit Analy DataFrime  Alalyte L2587-46-1 1.24E+00 pCi/L 1.2E+00 1.2E+00 1.2Be+00 100.0 9310_ALPHABETA 1.78BE-01 L 03/23/2007 16:57  BETA 12587-47-2 9.09E+01 pCi/L 1.9E+01 1.9E+01 1.3E+01 U 3.65E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49  BETA 12587-47-2 9.09E+01 pCi/L 2.0E+00 2.0E+00 U 3.80E+00 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49  BETA 12587-47-2 9.09E+01 pCi/L 2.0E+00 2.0E+00 U 3.80E+00 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49  BETA 12587-47-2 9.09E+01 pCi/L 2.0E+00 2.0E+00 U 4.03E+00 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49  BETA 12587-10-9 5.18E-01 pCi/L 2.0E+00 U 1.2E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49  BETA 12587-10-1 5.21E+00 pCi/L 5.1E+00 U 1.29E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49  BETA 12587-10-1 5.21E+00 pCi/L 5.3E+00 U 1.29E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49  BETA 12587-10-1 5.21E+00 pCi/L 5.3E+00 U 1.29E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49  BETA 12587-10-1 5.21E+00 pCi/L 5.3E+00 U 1.29E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49  BETA 12587-10-1 5.21E+00 pCi/L 5.3E+00 b.129E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49  BETA 12587-10-1 5.21E+00 pCi/L 5.3E+00 b.129E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49  BETA 12587-10-1 6.21E+00 pCi/L 5.3E+00 b.129E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49  BETA 12587-10-1 6.21E+00 pCi/L 5.3E+00 b.129E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49  BETA 12587-10-1 6.21E+00 pCi/L 5.3E+00 b.129E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49  BETA 12587-10-1 6.21E+00 pCi/L 5.3E+00 b.129E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49  BETA 12587-10-1 6.21E+00 pCi/L 5.3E+00 b.129E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49  BETA 12587-10-1 6.21E+00 pCi/L 5.3E+00 b.129E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49  BETA 12587-10-1 6.21E+00 pCi/L 5.3E+00 b.129E+01 G	Sample Id		User	Nbr			Type:	•	lids%*:	Volume			3	Jate:	
Analyte         CAS#         Result         Unit         CntU 2S         TotU 2S         Qual         MDA         TrcYleid         Method         Alg Size         Unit         Analy Date/Time           ALPHA         12587-46-1         1.24E+00         pCi/L         1.2E+00         1.2E+00         1.98E+00         100.0         9310_ALPHABETA         1.788E-01         L         03/23/2007         16:57           BETA         12587-47-2         9.09E+01         pCi/L         4.6E+00         1.2E+01         L         1.98E+01         100.0         9310_ALPHABETA         1.99E+01         L         03/15/2007         16:57           BETA         12587-47-2         9.09E+01         pCi/L         1.9E+01         1.2E+01         L         2.80E+00         100.0         9310_ALPHABETA         1.99E+01         L         03/15/2007         11.49           15-60         10198-40-0         1.2E+01         1.3E+01         U         3.80E+00         GAMMALL_GS         1.9994E+00         L         03/15/2007         11.49           15-134         13967-70-9         5.18E-01         1.8E+00         U         4.03E+00         GAMMALL_GS         1.9994E+00         L         03/15/2007         11.49           15-155         125+	ンドスコローン			MW6-SBB-A1	W07-002								02/13/2	2007 08:59	
12587-46-1 1.24E+00 pCi/L 1.2E+00 1.2E+00 U 1.98E+00 100.0 9310_ALPHABETA 1.788E-01 L 03/23/2007 16:57 1EPA 12587-46-1 1.24E+00 pCi/L 4.6E+00 1.2E+01 2.80E+00 100.0 9310_ALPHABETA 1.99E-01 L 03/23/2007 16:57 17:23 18966-02-4 9.61E-01 pCi/L 1.9E+01 1.9E+01 U 3.65E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49 1.9967-70-9 5.18E-01 pCi/L 2.0E+00 2.0E+00 U 4.03E+00 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49 1.9967-70-9 5.18E-01 pCi/L 2.0E+00 2.0E+00 U 4.03E+00 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49 1.9967-70-9 5.18E-01 pCi/L 2.0E+00 U 3.48E+00 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49 1.9967-70-9 pCi/L 1.8E+00 1.8E+00 U 1.00E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49 1.9994E+00 pCi/L 5.1E+00 pCi/L 5.1E+00 U 1.29E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49 1.9994E+00 pCi/L 5.3E+00 U 1.29E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49 1.9994E+00 pCi/L 5.3E+00 bCi/L 5.3E+00 U 1.29E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49 1.9994E+00 pCi/L 5.3E+00 bCi/L 5.3E+00 U 1.29E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49 1.9994E+00 pCi/L 5.3E+00 bCi/L 5.3E+00 U 1.29E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49 1.9994E+00 pCi/L 5.3E+00 bCi/L 5.3E+00 U 1.29E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49 1.9994E+00 pCi/L 5.3E+00 bCi/L 5.3E+00 U 1.29E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49 1.9994E+00 pCi/L 5.3E+00 bCi/L 5.3E+00 U 1.29E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49 1.9994E+00 pCi/L 5.3E+00 bCi/L	Satch Paro 200	Analyte	CAS#	Result		CntU 2S		Qual		rcYield	Method	Alq Size	Unit	Analy Date/Tim	e Act
Fig.   12587-47-2   9.09E+01   pCi/L   4.6E+00   1.2E+01   2.80E+00   100.0   9310_ALPHABETA   1.99E-01   L   03/23/2007   17.23     Fig.   13966-02-4   9.61E-01   pCi/L   1.9E+01   1.9E+01   U   3.65E+01   GAMMALL_GS   1.9994E+00   L   03/15/2007   11.49     Fig.   10198-40-0   -3.32E-01   pCi/L   2.0E+00   U   3.80E+00   GAMMALL_GS   1.9994E+00   L   03/15/2007   11.49     Fig.   13967-70-9   5.18E-01   pCi/L   2.0E+00   U   3.48E+00   GAMMALL_GS   1.9994E+00   L   03/15/2007   11.49     Fig.   13967-70-9   5.18E-01   pCi/L   5.1E+00   1.8E+00   U   1.00E+01   GAMMALL_GS   1.9994E+00   L   03/15/2007   11.49     Fig.   14683-23-9   4.93E+00   pCi/L   5.1E+00   5.3E+00   U   1.29E+01   GAMMALL_GS   1.9994E+00   L   03/15/2007   11.49     Fig.   15885-10-1   5.21E+00   pCi/L   5.3E+00   5.3E+00   U   1.29E+01   GAMMALL_GS   1.9994E+00   L   03/15/2007   11.49     Fig.   14683-23-9   4.93E+00   pCi/L   5.3E+00   5.3E+00   U   1.29E+01   GAMMALL_GS   1.9994E+00   L   03/15/2007   11.49     Fig.   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-23-9   14683-2	7050428	ALPHA	12587-46-1	1.24E+00	pCi/L	1.2E+00	1.2E+00	⊃	1.98E+00	100.0	9310_ALPHABETA	1.788E-01	لــ		3:57
13966-02-4 9.61E-01 pCi/L 1.9E+01 U 3.65E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49 CO-60 10198-40-0 -3.32E-01 pCi/L 2.0E+00 U 3.80E+00 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49 CO-60 10198-40-0 5.18E-01 pCi/L 2.0E+00 U 3.80E+00 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49 CO-60 DCi/L 1.8E+00 1.8E+00 U 3.48E+00 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49 CO-60 DCi/L 5.1E+00 DCi/L 5.1E+00 U 1.00E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49 CO-60 DCi/L 5.3E+00 DCi/L 5	/050430	BETA	12587-47-2	9.09E+01	pCi/L	4.6E+00	1.2E+01		2.80E+00		9310_ALPHABETA	1.99E-01	_		7:23
10198-40-0 -3.32E-01 pCi/L 2.0E+00 U 3.80E+00 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49 13967-70-9 5.18E-01 pCi/L 2.0E+00 2.0E+00 U 4.03E+00 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49 13-137 10045-97-3 2.15E-02 pCi/L 1.8E+00 1.8E+00 U 1.00E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49 14683-23-9 4.93E+00 pCi/L 5.1E+00 U 1.00E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49 15585-10-1 5.21E+00 pCi/L 5.3E+00 5.3E+00 U 1.29E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49 1 Deal - Analyzed for, but the result is less than the Mdc or gamma scan did not identify the nuclide.  1 Qual - Analyzed for, but the result is below the Reporting Limit (CRDL).	7050420	BE-7	13966-02-4	9.61E-01	pCi/L	1.9E+01	1.9E+01	<b>-</b>	3.65E+01		,	1.9994E+00	_1		1:49
S-134 13967-70-9 5.18E-01 pCi/L 2.0E+00 L 4.03E+00 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49 S-137 10045-97-3 2.15E-02 pCi/L 1.8E+00 1.8E+00 U 3.48E+00 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49 IU-152 14683-23-9 4.93E+00 pCi/L 5.1E+00 L 1.00E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49 IU-154 15585-10-1 5.21E+00 pCi/L 5.3E+00 L 1.29E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49 IU-154 L5585-10-1 S.21E+00 pCi/L 5.3E+00 L 0.1.29E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49 IU-154 L5685-10-1 S.21E+00 pCi/L 5.3E+00 L 0.1.29E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49 IU-154 DQual - Analyzed for, but the result is less than the Mdc or gamma scan did not identify the nuclide.  IU-154 JQual - No U qualifier has been assigned and the result is below the Reporting Limit (CRDL).	7050420	09-00	10198-40-0	-3.32E-01	pCi/L	2.0E+00	2.0E+00	⊃	3.80E+00		- 1	1.9994E+00	اـ		1:49
S-137 10045-97-3 2.15E-02 pCi/L 1.8E+00 1.8E+00 U 3.48E+00 GAMMALL_GS 1.9994E+00 L 03/15/2007 11.49 (3.15/2007 11.49	050420	CS-134	13967-70-9	5.18E-01	pCi/L	2.0E+00	2.0E+00	⊃	4.03E+00		GAMMALL_GS	1.9994E+00	_1		1:49
UJ-152       14683-23-9       4.93E+00       pCi/L       5.1E+00       U       1.00E+01       GAMMALL_GS       1.9994E+00       L       03/15/2007       11.49         UJ-154       15585-10-1       5.21E+00       pCi/L       5.3E+00       U       1.29E+01       GAMMALL_GS       1.9994E+00       L       03/15/2007       11:49         U Qual - Analyzed for, but the result is less than the Mdc or gamma scan did not identify the nuclide.         J Qual - No U qualifier has been assigned and the result is below the Reporting Limit (CRDL).	7050420	CS-137	10045-97-3	2.15E-02	pCi/L	1.8E+00	1.8€+00	n	3.48E+00		GAMMALLGS	1.9994E+00	_		49
U-154 15585-10-1 5.21E+00 pCi/L 5.3E+00 U 1.29E+01 GAMMALL_GS 1.9994E+00 L 03/15/2007 11:49  U Qual - Analyzed for, but the result is less than the Mdc or gamma scan did not identify the nuclide.  J Qual - No U qualifier has been assigned and the result is below the Reporting Limit (CRDL).	050420	EU-152	14683-23-9	4.93E+00	pCi/L	5.1E+00	5.1E+00	⊃	1.00E+01		GAMMALL_GS	1.9994E+00	_1		1:49
U Qual - Analyzed for, but the result is less than the Mdc or gamma scan did not identify the nuclide.  J Qual - No U qualifier has been assigned and the result is below the Reporting Limit (CRDL).	050420	EU-154	15585-10-1	5.21E+00	pCi/L	5.3E+00	5.3E+00	⊃	1.29E+01		GAMMALL_GS	1.9994E+00			1.49
J Qual - No U qualifier has been assigned and the result is below the Reporting Limit (CRDL).	TL Richla	pui		U Qual - A	nalyzed f	or, but the	e result is k	ess tha	n the Mdc	or gamma	scan did not ident	ify the nuclid	نه		
	.ntFeadk	PadSummary	"Fed 1,2 40	J Oual	Jo II anali	for hach.	our poor	1	the meeting of	. Lolour et	T				ړ.,

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7050420	EU-155	14391-16-3	-3.40E+00		3.6E+00		:	5.84E+00	GAMMALL_GS	1.9994E+00	· -	03/15/2007 11:49	i
7050420	K-40	13966-00-2	-9.08E+00	pCi/L	3.0E+01	3.0E+01	⊃	6.18E+01	GAMMALL_GS	1.9994E+00	_	03/15/2007 11:49	
7050420	RU-106	13967-48-1	6.38E+00	pCi/L	1.9E+01	1.9E+01	$\supset$	3.66E+01	GAMMALL_GS	1.9994E+00		03/15/2007 11:49	
7050420	SB-125	14234-35-6	-7.82E-01	pCi/L	4.9E+00	4.9E+00	⊃	8,93E+00	GAMMALLGS	1.9994E+00			
7050408	TC-99	14133-76-7	3.49E+02	pCi/L	1.1E+01	2.6E+01		1.04E+01 100.0	TC99_ETVDSK_LS	3 1.252E-01	_1		
Lab Sample Id:	Cllent I: Id:	Test User	Contract Nbr	SAF Nbr	or Sdg	၁၀		Moisture/ Distilled	d Sample		8	Collection	
9JPHFA10	B1M9C1		MW6-SBB-A1	W07-002	Š	_					02/13/2	Date: 02/13/2007 11:13	
Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA TrcYjeld	Method	Alg Size	in it	Analy Date/Time	Ž
7050428	ALPHA	12587-46-1	2.25E-01	pCi/L	5.1E-01	5.2E-01	⊃	1.20E+00 100.0	9310_ALPHABETA	6	<u> </u>	03/23/2007 16:57	-
7050430	BETA	12587-47-2	2.80E+02	pCi/L	7.8E+00	3.6E+01		2.83E+00 100.0	9310_ALPHABETA				
7050420	BE-7	13966-02-4	1.73E+01	pCi/L	1.7E+01	1.7E+01	$\supset$	3.45E+01	GAMMALL_GS	2.0043E+00	نـــ	_	
7050420	09-00	10198-40-0	9.23E-02	pCi/L	1.6E+00	1.6E+00	_	3.21E+00	GAMMALL_GS	2.0043E+00	_		
7050420	CS-134	13967-70-9	4.27E-02	pCi/L	1.9E+00	1.9E+00	D	3.56E+00	GAMMALL_GS	2.0043E+00	_		
7050420	CS-137	10045-97-3	-3.91E-01	pCi/L	1.6E+00	1.6E+00	$\supset$	2.90E+00	GAMMALL_GS	2.0043E+00	ب		
7050420	EU-152	14683-23-9	7.80E-01	pCi/L	4.3E+00	4.3E+00	⊃	7.77E+00	GAMMALL_GS	2.0043E+00			
7050420	EU-154	15585-10-1	1.29E+00	pCi/L	4.3E+00	4.3E+00	⊃	8.92E+00	GAMMALL_GS	2.0043E+00	۔۔		
7050420	EU-155	14391-16-3	2.40E-01	pCi/L	3.5E+00	3.5E+00	$\supset$	6.41E+00	GAMMALL_GS	2.0043E+00			
7050420	K-40	13966-00-2	-1.59E+00	pCi/L	2.6E+01	2.6E+01	⊃	5.44E+01	GAMMALLGS	2.0043E+00	ا	03/15/2007 11:50	
7050420	RU-106	13967-48-1	-9.39E+00	pCi/L	1.4E+01	1.4E+01	⊃	2.42E+01	GAMMALL_GS	2.0043E+00		Ċ	
7050420	SB-125	14234-35-6	-2.52E+00	pCi/L	3.9E+00	3.9E+00	$\supset$	6.51E+00	GAMMALL_GS	2.0043E+00			
7050408	TC-99	14133-76-7	1.01E+03	pCi/L	1.8E+01	6.5E+01		1.04E+01 100.0	TC99_ETVDSK_LS	1.26E-01	_		
Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	r Sdg Nbr:	QC Type:		Moisture/ Distilled Solids%*: Volume	Sample On Date:	And the state of t	3	Collection	i
9ЛРНЕН10	B1M9C6	×	MW6-SBB-A1	W07-002	W05121	•					02/13/2	02/13/2007 10:09	
Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA TrcYield	Method	Alg Size	Unit	Analy Date/Time	Act
7050428	ALPHA	12587-46-1	1.89E-01	pCi/L	8.5E-01	8.5E-01	⊃	2.27E+00 100.0	9310_ALPHABETA	_	ب	03/23/2007 16:57	:
7050430	BETA	12587-47-2	5.68E+01	pCi/L	4.0E+00	8.3E+00		3.09E+00 100.0	9310_ALPHABETA	1.742E-01	1	03/23/2007 17:23	
7050420	BE-7	13966-02-4	-4.26E-01	pCi/L	1.6E+01	1.6E+01	コ	2.91E+01	GAMMALL_GS	2.0006E+00			
7050420	09-00	10198-40-0	-7.65E-01	pCi/L	1.5E+00	1.5E+00	⊃	2.60E+00	GAMMALL_GS	2.0006E+00			
7050420	CS-134	13967-70-9	-8.71E-01	pCi/L	1.6E+00	1.6E+00	⊃	2.81E+00	GAMMALL_GS	2.0006E+00	٦	•	
7050420	CS-137	10045-97-3	-2.16E-01	pCi/L	1.8E+00	1.8E+00	b	3.14E+00	GAMMALL_GS	2.0006E+00	_		
7050420	EU-152	14683-23-9	-8.68E-01	pCi/L	3.5E+00	3.5E+00	ב	6.22E+00	GAMMALL_GS	2.0006E+00	_	03/15/2007 11:50	
STL Richland	рu		U Qual - A	nalyzed f	or, but the	result is k	ess tha	U Qual - Analyzed for, but the result is less than the Mdc or gamma scan did not identify the nuclide	a scan did not ident	ify the nuclide			١.
of Fload R			I Onal . N	o II canal	ffor hoc h.	on of one	7	I Onal - No I malifier has been assigned and the result is below the Donor-time I in:	ho Donouting I imit	Affire consum.	ï		4
Her tuners	adountmar	rptreadKadSummaryEdd v3,48	t mm>	in Andrew	nici nas D	zen assigne	and	s wan - 110 o quantity has been assigned and the result is being the Reporting	ne webot mig rimit	(CKUL).			

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7050420 E	EU-154	15585-10-1	-1.82E+00	pCi/L	4.4E+00	4.4E+00	, 	8.01E+00		GAMMALL GS	2.0006E+00		03/15/2007	11.50	7
7050420 E	EU-155	14391-16-3	3.31E-01	pCi/L	3.0E+00	3.0E+00	)	5.59E+00		GAMMALL_GS	2.0006E+00			11:50	
7050420 K	K-40	13966-00-2	7.03E+01	pCi/L	3.2E+01	3.2E+01	_	6.82E+01		GAMMALL GS	2.0006E+00	لب		11:50	
7050420 F	RU-106	13967-48-1	-2.57E+00	pCi/L	1.5E+01	1.5E+01	$\supset$	2.72E+01		GAMMALL GS	2.0006E+00			11:50	
7050420 S	SB-125	14234-35-6	-2.89E+00	pCi/L	3.6E+00	3.6E+00	$\supset$	5.83E+00		1	2.0006E+00	I		11:50	
7050408 T	TC-99	14133-76-7	2.16E+02	pCi/L	9.2E+00	1.8E+01			100.0	ļ <u>ļ</u> i		ــ ا		10:39	
Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	× Sdg Nbr:	QC Type:		Moisture/ Solids%*:	Distilled	Sample On Date:		<u></u>	Collection Date:	17	
9JPHFJ10 B	B1M9D6	2	MW6-SBB-A1	W07-002	W0512	•						02/13/2(	02/13/2007 11:54		
Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S (	Qual	MDA Tr	TrcYield	Method	Ald Size	Init	Analy Date/Time		***
7050428 A	ALPHA	12587-46-1	6.93E-01	pCi/L	7.1E-01	7.3E-01	$\supset$	-01	100.0	9310_ALPHABETA	2.004E-01	<b>1</b> –	03/23/2007	57	į
7050430 B	BETA	12587-47-2	3.45E+02	pCi/L	8.6E+00	6.5E+01		2.79E+00	100.0	9310_ALPHABETA	1.997E-01			17:27	
7050420 B	BE-7	13966-02-4	4.90E+00	pCi/L	2.1E+01	2.1E+01	$\supset$	3.82E+01		GAMMALL_GS	2.00E+00	_		11:50	
7050420 C	09-00	10198-40-0	-1.45E-01	pCi/L	2.3E+00	2.3E+00	⊃	4.30E+00		GAMMALL GS	2.00E+00	ئـــ	Ċ	1.50	
7050420 C	CS-134	13967-70-9	1.09E+00	pCi/L	2.4E+00	2.4E+00	⊃	4.57E+00		GAMMALL_GS	2.00E+00	_		11:50	
7050420 C	CS-137	10045-97-3	-1.08E-02	pCi/L	2.0E+00	2.0E+00	$\supset$	3.68E+00		GAMMALL_GS	2.00E+00			11:50	
7050420 E	EU-152	14683-23-9	3.57E+00	pCi/L	6.1E+00	6.1E+00	⊃	1.09E+01		GAMMALL_GS	2.00E+00			11:50	
	EU-154	15585-10-1	1.47E+00	pCi/L	6.2E+00	6.2E+00	$\supset$	1.23E+01		GAMMALL_GS	2.00E+00	_		1:50	
7050420 E	EU-155	14391-16-3	-1,54E+00	pCi/L	5.4E+00	5.4E+00	$\supset$	9.53E+00		GAMMALL_GS	2.00E+00		03/15/2007	1.50	-
7050420 K	K-40	13966-00-2	-3.17E+01	pCi/L	6.3E+01	6.3E+01	_	1.40E+02		GAMMALL_GS	2.00E+00	اا		11:50	
7050420 R	RU-106	13967-48-1	-6.23E+00	pCi/L	1.9E+01	1.9E+01	⊃	3.23E+01		GAMMALL_GS	2.00E+00	_		11:50	
7050420 S	SB-125	14234-35-6	2.54E-01	pCi/L	5.3E+00	5.3E+00	$\supset$	9.51E+00		GAMMALL_GS	2.00E+00			11:50	
7050408 T	TC-99	14133-76-7	1.43E+03	pCi/L	2.1E+01	9.0E+01		1.03E+01 1	100.0	TC99_ETVDSK_LS		_		11:41	
Lab Sample Id:	Client Id:	Test User	Contract	SAF Nbr	r Sdg Nbr:	QC Type:	1	Moisture/ Solids%*:	Distilled	Sample On Date:	a familiar .	S	Collection Date:		
9JPHGJ10 B	B1LD97	2	MW6-SBB-A1	S07-012	W05121						)	Z 32/14/20	02/14/2007 10:50		
	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S (	Qual	MDA Tr	TrcYield	Method	Alg Size	Unit	Analy Date/Time		Δct
	H-3	10028-17-8	1.48E+03	pCi/L	1.7E+02	2.0E+02		2.97E+02 1	100.0	906.0_H3_LSC			03/13/2007 1	25	i
7050428 A	ALPHA	12587-46-1	1.90E+00	pCi/L	1.3E+00	1.3E+00		1.70E+00 1	100.0	9310_ALPHABETA		ب		18:51	
7050408 T	TC-99	14133-76-7	4.62E+00	pCi/L	4.4E+00	5.9E+00	$\supset$	1.01E+01 1	100.0	TC99_ETVDSK_LS				12.44	
7050402 U	Uranium	7440-61-1	6.08E+00	ng/L	6.2E-01	6.2E-01		8.38E-02		UTOT_KPA	2.50E-02	¥		15:46	
Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	r Sdg Nbr:	ac Type:	Moi	Moisture/ Solids%*:	Distilled Volume	Sample On Date:		ž CO Ž	Collection Date:		
STL Richland rptFeadRadSummaryEdd v3.48		yEdd v3.48	U Qual - Analyzed for J Qual - No U qualifie	nalyzed o U qual	for, but the lifter has be as found in	e result is heen assigne	ss than d and t	, but the result is less than the Mdc or gamma scan did nor has been assigned and the result is below the Reporting found in the associated laboratory Monk above the MDC.	r gamma below th	U Qual - Analyzed for, but the result is less than the Mdc or gamma scan did not identify the nuclide. J Qual - No U qualifier has been assigned and the result is below the Reporting Limit (CRDL). B Qual. Analyte was found in the associated laboratory blank above the MDC.	tify the nuclide (CRDL).	di.		5	ı
			t mm> a	Maryter	as tourne t	II the assue	מוכח ומ	DOLATOLY DE	allk abu	e the MDC.					

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Permitter   Perm	Form								TOMAN I					Can Cour. O'E'	
BETAPT   Additional CASS   Mink-SBB-AT SOT-012   Wid521   Mink-SBB-AT SOT-012   Wid521   Mink-SBB-AT SOT-012   Wid521   Mink-SBB-AT SOT-012   Wid521   Mink-SBB-AT SOT-012   M	0.00	dbr: R	FormatType: }		ion: 05	Rpt N	lbr: 34821		File Name:	h:\Reportdb\	\edd\Fead V\Rad\W05	121.Edd, h:\Re	oortdb\e	dd\FeadIV\Rad\3482	Edd
Collection   Col	9 <b>ztch</b> 3atch 1050430	0 B1LD97 Analyte BETA	CAS# 12587-47-2	MW6-SBB-A1 Result 8.34E+00		W05127 CntU 2S 1.9E+00	TotU 2S 2.2E+00	Qual	MDA 3.09E+0(	TrcYield 0 100.0	Method 9310_ALPHABETA		02/14/ Unit	2007 10:50  Analy Date/Time 03/27/2007 11:46	Act   Act
Analyte         CAS#         Result         Unit         Cntl 25         ToUL 25         Out         SOBE-00         STOPHON         Analyte         Analyte<	Lab ample I	100	Test User	Contract Nbr MW6-SBB-A1	Ŏ	. 🔻		1	oisture/ olids%*:	Distilled			Co 02/14//	llection Date: 2007 09:44	1
client         Test         Contract         SAF Nbr.         Seq or         Occident         Obstitined         Sample on Date:         Collection on Date: <th< td=""><td>o50430</td><td>u l</td><td>CAS# 12587-47-2</td><td>Result 1.46E+01</td><td></td><td>cntu 2s 2.2E+00</td><td><b>TotU 2S</b> 3.5E+00</td><td>Qual</td><td><b>MDA</b> 2.93E+0(</td><td>TrcYield 3 100.0</td><td>Method 9310_ALPHABETA</td><td></td><td>Unit L</td><td>Analy Date/Time 03/23/2007 17:27</td><td>Act 27  </td></th<>	o50430	u l	CAS# 12587-47-2	Result 1.46E+01		cntu 2s 2.2E+00	<b>TotU 2S</b> 3.5E+00	Qual	<b>MDA</b> 2.93E+0(	TrcYield 3 100.0	Method 9310_ALPHABETA		Unit L	Analy Date/Time 03/23/2007 17:27	Act 27
Analyte   CAS#   Result   Uist   Contract   SAF Not   Sag   Oct   Analyte   CAS#   Not   Contract   SAF Not   Sag   Oct   Analyte   Oct   Case   Oct   O	Lab ample le	20	Test User	Contract Nbr MW6-SBB-A1	. Ö	Š			oisture/ olids%*:	Distilled			Co Co 02/14/2	llection Date: 2007 08:50	
High contract   Libert   Lib	o50430	i	CAS# 12587-47-2	<b>Result</b> 2.19E+03		<b>ontU 2S</b> 2.3E+01	<b>TotU 2S</b> 4.3E+02	Qual	ŏ	TrcYield 7 100.0	Method 9310_ALPHABETA		Unit L	Analy Date/Time 03/23/2007 17:27	Act 27
SETA   12587-47-2   1.06E+00   DCIVL   1.3E+00   1.3E+00   DISITING   DISIT	Lab ample Iv	91		Contract Nbr MW6-SBB-A1	Ŏ		QC Type	i	oisture/ Mds%*:	Distilled			Col	lection  Jate:	
Client         Test         Contract         SAF Nbr         SAG         QC         Moisture/ substance         Distilled on Date:         Sample on Date:         Con Date:         Collection Date:         Date: Date:         Date: Date: Date:         Collection Date:         Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date: Date:	<b>atch</b> 050430		<b>CAS#</b> 12587-47-2	Result 1.06E+00		ontU 2S 1.3E+00	0	<b>Q</b> ual ∪	<b>MDA</b> 2.67E+00	TrcYield ) 100.0	Method 9310_ALPHABETA		Unit L	Analy Date/Time 03/23/2007 17:27	Act 27
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CO-60         10198-40-0         2.52E+01         pCi/L         6.7E+00         6.7E+00         3.41E+00         GAMMALL_GS         2.0059E+00         L         03/15/2007           CS-134         13967-70-9         1.64E+00         pCi/L         2.9E+00         2.72E+00         GAMMALL_GS         2.0059E+00         L         03/15/2007           CS-137         10045-97-3         1.78E+00         pCi/L         2.3E+00         U         4.78E+00         GAMMALL_GS         2.0059E+00         L         03/15/2007           EU-152         14683-23-9         -2.11E+00         pCi/L         5.8E+00         U         1.01E+01         GAMMALL_GS         2.0059E+00         L         03/15/2007           EU-154         15585-10-1         3.93E+00         pCi/L         7.2E+00         U         1.53E+01         GAMMALL_GS         2.0059E+00         L         03/15/2007           EU-155         14391-16-3         -9.77E-02         pCi/L         5.6E+00         U         1.22E+02         GAMMALL_GS         2.0059E+00         L         03/15/2007           K-40         13967-48-1         pCi/L         5.5E+01         U         1.2E+02         GAMMALL_GS         2.0059E+00         L         03/15/2007           SB-125	50420	BE-7	13966-02-4	-9.92E+00	_	2.4E+01	<b>y</b> -	onga	MDA 4.10E+01	TrcYield		Alq Size 2.0059E+00	ii L	Analy Date/Time 03/15/2007 13:37	Act
CS-134         13967-70-9         1.64E+00         pCi/L         2.9E+00         2.9E+00         U         5.72E+00         GAMMALL_GS         2.0059E+00         L         03/15/2007           CS-137         10045-97-3         1.78E+00         pCi/L         2.3E+00         U         4.78E+00         GAMMALL_GS         2.0059E+00         L         03/15/2007           EU-152         14683-23-9         -2.11E+00         pCi/L         7.2E+00         7.2E+00         U         1.53E+01         GAMMALL_GS         2.0059E+00         L         03/15/2007           EU-154         15585-10-1         3.93E+00         pCi/L         7.2E+00         7.2E+00         U         1.53E+01         GAMMALL_GS         2.0059E+00         L         03/15/2007           K-40         13966-00-2         -3.5E+01         DCi/L         5.6E+01         U         1.2E+02         GAMMALL_GS         2.0059E+00         L         03/15/2007           RU-106         13967-48-1         3.26E+01         DCi/L         5.6E+01         U         1.01E+01         GAMMALL_GS         2.0059E+00         L         03/15/2007           SB-125         14234-35-6         6.49E-01         DCi/L         5.4E+00         5.4E+00         U         1.01E+01	050420	09-00	10198-40-0	2.52E+01		6.7E+00	6.7E+00		3.41E+00		- 1	2.0059E+00			
CS-137         10045-97-3         1.78E+00         pCi/L         2.3E+00         2.3E+00         U         4.78E+00         GAMMALL_GS         2.0059E+00         L         03/15/2007           EU-152         14683-23-9         -2.11E+00         pCi/L         5.8E+00         U         1.01E+01         GAMMALL_GS         2.0059E+00         L         03/15/2007           EU-154         15585-10-1         3.93E+00         pCi/L         7.2E+00         7.2E+00         U         1.53E+01         GAMMALL_GS         2.0059E+00         L         03/15/2007           EU-155         14391-16-3         -9.77E-02         pCi/L         5.6E+00         5.6E+00         U         1.2E+02         GAMMALL_GS         2.0059E+00         L         03/15/2007           K-40         13966-00-2         -3.52E+01         pCi/L         5.5E+01         1.9E+01         U         1.01E+01         GAMMALL_GS         2.0059E+00         L         03/15/2007           RU-106         13967-48-1         pCi/L         5.4E+00         5.4E+00         U         1.01E+01         GAMMALL_GS         2.0059E+00         L         03/15/2007           SB-125         14234-35-6         6.49E-01         pCi/L         5.5E+00         0.10E+01         0.05E-01	350420	CS-134	13967-70-9	1.64E+00		2.9E+00	2.9E+00	$\supset$	5.72E+00			2.0059E+00			~
EU-152 14683-23-9 -2.11E+00 pCi/L 5.8E+00 1.01E+01 GAMMALL_GS 2.0059E+00 L 03/15/2007 EU-154 15585-10-1 3.93E+00 pCi/L 7.2E+00 1.53E+01 GAMMALL_GS 2.0059E+00 L 03/15/2007 EU-155 14391-16-3 -9.77E-02 pCi/L 5.6E+00 5.6E+00 U 1.22E+02 GAMMALL_GS 2.0059E+00 L 03/15/2007 K-40 13966-00-2 -3.52E+01 pCi/L 5.5E+01 U 1.22E+02 GAMMALL_GS 2.0059E+00 L 03/15/2007 RU-106 13967-48-1 3.26E+00 pCi/L 1.9E+01 U 3.59E+01 GAMMALL_GS 2.0059E+00 L 03/15/2007 SB-125 14234-35-6 6.49E-01 pCi/L 5.4E+00 5.4E+00 U 1.01E+01 GAMMALL_GS 2.0059E+00 L 03/15/2007 TC-99 14133-76-7 9.16E+03 pCi/L 5.3E+01 5.5E+02 1.05E+01 100.0 TC99_SEP_LSC 1.248E-01 L 03/07/2007	)50420	CS-137	10045-97-3	1.78E+00		2.3E+00	2.3E+00	<b>&gt;</b>	4.78E+00	_	- 1	2.0059E+00	J		
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K-4013966-00-2-3.52E+01pCi/L5.5E+015.5E+01U1.22E+02GAMMALL_GS2.0059E+00L03/15/2007RU-10613967-48-13.26E+00pCi/L1.9E+011.9E+01U3.59E+01GAMMALL_GS2.0059E+00L03/15/2007SB-12514234-35-66.49E-01pCi/L5.4E+00J.01E+01GAMMALL_GS2.0059E+00L03/15/2007TC-9914133-76-79.16E+03pCi/L5.3E+015.5E+021.05E+01100.07C99_SEP_LSC1.248E-01L03/07/2007	)50420	EU-155	14391-16-3	-9.77E-02		5.6E+00	5.6E+00	$\supset$	9.99E+00		J	2.0059E+00	_		
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	50405	TC-99	14133-76-7	9.16E+03		5.3E+01	5.5E+02		1.05E+01	100.0	TC99_SEP_LSC	1.248E-01		03/07/2007 16:03	— ص
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	121.Edd, h:\Re	·	Alq Size	1.258E-01 2.59E-02	Prince   India   Management   Land	Alq Size	5.00E-03	1.272E-01 2.52E-02
	edd\FeadIV\Rad\W05	Sample On Date:	Method 906.0 H3 LSC	TC99_SEP_LSC UTOT_KPA	Sample On Date:	Method	906.0_H3_LSC	TOSS_SEP_LSC UTOT_KPA
ort	: h:\Reportdb\e	Distilled	MDA TrcYield 2.98E+02 100.0		Distilled Volume	TrcYield	2.98E+02 100.0 g	0.000
nd Rep	File Name	Moisture/ Solids%*:		1.03E+01 8.09E-02	Moisture/ Solids%*:		2.98E+C	8.32E-02
STL Richland Report	Rpt Nbr: 34821	QC Type:	<b>TotU 2S Qual</b> 6.1E+02	5.3E+01 6.3E-01	QC Type:	TotU 2S Qual	6.7E+02 1.3E+01	6.3E-01
S	Rpt N	Sdg Nbr: W05121	CntU 2S TotU 2S 3.7E+02 6.1E+02	1.6E+01 5.3E+01 6.3E-01 6.3E-01	Sdg Nbr: W05121	CntU 2S TotU 2S	3.9E+0Z 5.7E+0Z 7.4E+00 1.3E+01	6.3E-01
	Version: 05	SAF Nbr W07-002	Unit O	pCi/L ug/L	SAF Nbr W07-002	-	pCi/L	
		Contract SAF Nb Nbr MW6-SBB-A1 W07-002	Result 1.22E+04	7.98E+02 6.14E+00	Contract SAF Nbi Nbr MW6-SBB-A1 W07-002	Result	1.27E+02	6.20E+00
$W_{c}$	FormatType: FEAD	Test User	CAS# 10028-17-8	14133-76-7 7440-61-1	Test User	CAS# 10028-17-8	14133-76-7	7440-61-1
3/29/2007 1:24:12 PM	ormNbr: R	Client Id:		TC-99 Uranium	Client Id: B1M8J2	Analyte H-3	TC-99	Uranium
3/29/200	FormNbr: R	Lab Client Sample Id: Id: 9JPMDH10 B1M8L2	7050417	7050405	Lab Client Sample Id: Id: 9JPMDJ10 B1M8J2	<b>Batch</b> 7050417	7050405	7050402 Uranium

03/20/2007 15:50

U Qual - Analyzed for, but the result is less than the Mdc or gamma scan did not identify the nuclide. J Qual - No U qualifier has been assigned and the result is below the Reporting Limit (CRDL). B Qual - Analyte was found in the associated laboratory blank above the MDC.

rptFeadRadSummaryEdd v3.48

Thursday, March 29, 2007	29, 2007			S	CRich	and O	TL Richland OC Blank Renort	Renort			I.a.	Lab Code: STLRL	TLRL
FormNbr: R	:	FormatT	FormatType: FEAD	, Ve	ersionNbr: 05	05	File Name:	h:\Reportdb\edd\	File Name: h:\Reportdb\edd\FeadIV\Rad\W05121.Edd, h:\Reportdb\edd\FeadIV\Rad\34821.Edd	1.Edd, h:\Rep	ortdb\edd\	FeadIV/R	ad\34821.Edd
Lab Sample Id: Client Id: Moisture/Solids%*;	Id: JPNH01AB NA Iids%*:	m		Sd	dg/Rept Nbr: W05121 fatrix: WATER	ir: W05 WAT		34821 WATER	Collect	Collection Date: 02/09/2007 08:27 Sample On Date:	02/09/	2007 08	.27
				) ;	2	ב ב			Hecely	Heceived Date: 02/09/2007	02/09/2	2007	
SAF Nbr	Confract Nbr MW6-SBB-A19981	<b>-</b>	Test User	Case Nb	Nbr SAS Nbr	Nbr	Suffix	Decant	Distilled Volume	1	File Id	-	FSuffix RTyp
Batch # / Analy/ Qc Type CAS# 7050402 Uranium BLK 7440-61-1	Result Orig Rst 4.68E-02	Unit ug/L	Tot/Cnt Uncert 2S 5.9E-03 5.9E-03	Ou- al U 8,	MDC 8.32E-02	Tracer Yield	Spk Conc/ %Rec	Analy Method UTOT_KPA	Aliq Size/ 2.52E-02 (	Date/Time Analyzed 03/20/2007 15:15	RPD/ UCL	RER/ UCL	LCS R LCL/UCL Typ D

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Thursday, March 29, 2007	1007		SILR	chland (	STL Richland QC Blank Report	Report		<b>1</b> 4	Lab Code: STLRL	STLRL
FormNbr: R	<b>.</b>	FormatType: FEAD	VersionNbr: 05	r: 05	File Name:	h:\Reportdb\edd\	File Name: h:\Reportdb\edd\FeadIV\Rad\W05121.Edd, h:\Reportdb\edd\FeadIV\Rad\34821.Edd	I, h:\Reportdb\ed	d\FeadIV\	ad/34821.Edd
Lab Sample Id: Client Id: Moisture/Solids%*:	JPNH21AB NA *:		Sdg/Rept Matrix: QC Type:	Nbr:		34821 WATER	Collection Date: Sample On Date: Received Date:	Collection Date: 02/15/2007 10:31 Sample On Date: Received Date: 02/15/2007	5/2007 1(	131
SAF Nbr Co	Contract Nbr MW6-SBB-A19981	Test User	Case Nbr S	SAS Nbr	Suffix	Decant	Distilled Volume	File Id		FSuffix RTyp BL H
Batch # / Analyt/ Qc Type CAS# 7050405 TC-99 BLK 14133-76-7	Result/ Orig Rst 3.39E+00	Tot/Cnt Unit Uncert 2S pCi/L 6.2E+00 4.3E+00	Qu- al MDC U 1.02E+01	Tracer Yield 100.0	Spk Conc/ %Rec	Analy Method TC99_SEP_L	Analy         Aliq         Dat           Method         Size/         An.           TC99_SEP_LS         1.273E-01         03/0°           L         2	Date/Time RPD/ Analyzed UCL 03/07/2007 21:16	RER/ UCL	LCS R LCL/UCL Typ D

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, <u>.</u>	ortdb\ed(	late: 02/09/2007 08:27  Date: 02/09/2007	File id	RPD/ UCL
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;	adIV\Rad\W051	Collection Sample C Received	Distilled Volume	Analy Aliq Method Size/ TC99_ETVDSK 1.254E-01 L
	o\edd\Fe	f .		TVDSK
Report	: h:\Reportd	34821 WATER	Decant	Analy Method TC99_E
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land Q	<b>br:</b> 05	Sdg/Rept Nbr: W05121 Matrix: WATER QC Type: BLK	Nbr	Tracer Yield 100.0
Rich	VersionNbr: 05	Sdg/Rept NI Matrix: AC Type:	SAS Nbr	Trace MDC Yield 1.02E+01 100.0
S	VersionN	Sdg/Re Matrix: QC Typ	Case Nbr	<b>Qu-</b> al N
	FormatType: FEAD		Test User	Tot/Cnt Unit Uncert 2S Ci/L 5.9E+00 4.3E+00
	FormatT		<b>-</b>	<b>Unit</b> pCi/L
007		JPNH31AB NA	Contract Nbr MW6-SBB-A19981	Result Orig Rst 2.92E+00
Thursday, March 29, 2007	FormNbr: R	Lab Sample Id: Client Id: Moisture/Solids%*;		Analyt/ CAS# TC-99 14133-76-7
Thursday	,	Lab Clier Mois	SAF Nbr	Batch # / Anal Qc Type CAS 7050408 TC-99 BLK 14133-

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STLRL	lad/34821.Edd	07 12:39	FSuffix RTyp BP H	LCS R LCL/UCL Typ D
Lab Code: STLRL	=eadIV\F	2007 12		RER/ UCL
Lat	rtdb\edd\}	02/12/2	ple	RPD/ UCL
i	1.Edd, h:\Repo	Collection Date: 02/12/2007 12:39 Sample On Date: Received Date: 02/12/2007	File Id	Date/Time Analyzed 03/13/2007 02:10
	adIV\Rad\W0512	Collec Sampl Receiv	Distilled Volume	Aliq Size/ 5.00E-03 L
Renort	File Name: h:\Reportdb\edd\FeadiV\Rad\W05121.Edd, h:\Reportdb\edd\FeadiV\Rad\34821.Edd	34821 WATER	Decant D	Analy Aliq Method Size/ 906.0_H3_LSC 5.00E-03
CBlank	File Name:		Suffix	Spk Conc/ %Rec
and O	<b>,</b> 35	r: W05121 WATER BLK	SAS Nbr	Tracer Yield 100.0
STL Richland OC Blank Report	VersionNbr: 05	Sdg/Rept Nbr: W05121 Matrix: WATER QC Type: BLK	ğ	<b>MDC</b> 2.99E+02
			Case	t SS all
	FormatType: FEAD	i	Test User	Tot/Cnt Unit Uncert 2S pCi/L 1.3E+02 1.2E+02
	FormatTy	m :	F	<b>Unit</b> pCi/L
207	•	JPNH51AB NA	Contract Nbr MW6-SBB-A19981	Result Orig Rst -4.14E+01
Thursday, March 29, 2007	FormNbr: R	Lab Sample Id: Client Id: Moisture/Solids%*:		itch # / Analyt/ > Type CAS# 150417 H-3 BLK 10028-17-8
Thursday	!	Lab S Clien Mois	SAF Nbr	Batch # / Qc Type 7050417 BLK

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Thursday, March 29, 2007 FormNbr: R		[:] ormatTy	FormatType: FEAD	80 >	TL Richlai VersionNbr: 05	land Q	STL Richland QC Blank Report	Report h:\Reportdb\edd\	Blank Report File Name: h:\Reportdb\edd\Fead\V\Rad\W05121 Fdd h:\Remortdb\edd\Fead\V\Rad\W05121 Edd h	21.Fdd. h-\Reno	Lal	Lab Code: STLRL	STLRL SARVA
Lab Sample Id: Client Id: Moisture/Solids*:	JPNH51DX NA	· . <b>~</b>	• • • • • • • • • • • • • • • • • • • •	, w Z Q	Sdg/Rept N Matrix: QC Type:	Sdg/Rept Nbr: W05121 Matrix: WATER QC Type: BLK	121 34 TER W	34821 WATER	Collec Samp Recei	Collection Date: 02/12/2007 12:39 Sample On Date: 02/12/2007	02/12/2	2007 12	39
SAF Nbr Con MW6-	Contract Nbr MW6-SBB-A19981	Ť.	Test User	Case Nbr		SAS Nbr	Suffix	Decant	Distilled Volume		File Id		FSuffix RTyp BR H
Batch # /       Analyt         Qc Type       CAS#         7050417 H-3       BLK	Result/ Orig Rst -5.63E+01	Unit pCi/L	Tot/Cnt Unit Uncert 2S pCi/L 1.3E+02 1.2E+02	g = ⊃	<b>MDC</b> 3.03E+02	Tracer Yield 100.0	Spk Conc/ %Rec	Analy Method 906.0_H3_LSC	Aliq Size/ SC 5.00E-03	Date/Time Analyzed 03/13/2007 17:08	APD/ UCL	RER/ UCL	LCS R LCL/UCL Typ D

rptFeadRadEdd v3.68

Thursday,	Thursday, March 29, 2007	2007			<b>9</b> 3	STL Ri	Chard	STL Richland QC Blank Report	Report	:		Lab	Lab Code: STLRL	TLRL
!	FormNbr: R		Format	FormatType: FEAD	:	VersionNbr: 05	r: 05	File Name:	File Name: h:\Reportdb\edd\FeadIV\Rad\W05121.Edd, h:\Reportdb\edd\FeadIV\Rad\34821.Edd	adIV\Rad\W05121	l.Edd, h:∖Repor	tďb\edd\F	eadIV\Ra	d/34821.Edd
Lab Sam Client Id: Moisture	Lab Sample Id: Client Id: Moisture/Solids%*:	: JPNJF1AB NA <b>s</b> %*:	щ		<del></del>	Sdg/Rept Matrix: QC Type:	N C C	W05121 34 WATER W BLK	34821 WATER	Collect Sampl Receiv	Collection Date: Sample On Date: Received Date:	02/12/2007 11:36	007 113	36
SAF Nbr		Contract Nbr MW6-SBB-A19981		Test User	Case	Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	<u> </u>	: <b>IL</b>   	FSuffix RTyp
Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	<u>۾</u> ۾	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time	RPD/	RER/	LCS R
7050420	BE-7 13966-02-4	1.10E+01	pCi/L	2.5E+01	)	4.77E+01	4		GAMMALLGS	2.	03/15/2007	ž	3	LCCOCCL 1yp
0	09-02	-4.71E-01	pCi/L	-	)	4.70E+00	0		GAMMALL GS	L 13:38	13:38			۵
	10198-40-0			2.5E+00							13-38			۵
7050420	CS-134	2.48E+00	pCi/L		$\supset$	5.50E+00	0		GAMMALL_GS	2.0001E+00 03/15/2007	03/15/2007			Ω
0	CS-137	1.20E+00	pCi/L	2.3E+00	=	4 61F±00	_		O O PARAO O	7 2000	13:38			
BLK	10045-97-3		-		<b>&gt;</b>	)    -  -	,		CANVINIALL_GS 2.000/E+00 03/15/200/	Z.0001E+00 (	13/15/2007			۵
7050420 8	EU-152 14683-23-9	-3.72E+00	pCi/L		Э	8.19巨+00	0		GAMMALL_GS	2.0001E+00 03/15/2007	13:38			Q
0	EU-154	-1.94E+00	pCi/L		$\supset$	9.43E+00	0		GAMMALL GS		13:38 33/15/2007			C
<b>BLK</b> 7050420 E	15585-10-1 EU-155	4.20E-01	PCi/l	5.1E+00		R 03ELDO	_				13:38			2
BLK	14391-16-3		] 		)	200.0			GAIMIMALL_GS	Z.UUU1E+UU 03/15/2007	73/15/2007			Ω
_	K-40	-3.10E+01	pCi/L	4.2E+01	כ	9.02E+01			GAMMALL GS	L 13:38 2.0001E+00 03/15/2007	13:38 3/15/2007			c
<b>BLK</b> 1 7050420 F	13966-00-2 RU-106	-1.03F+01	DCi/	4.2E+01		3 ARE±01					13:38			מ
BLK	13967-48-1		) } }		)	041			GAIMIMALL_GS	2.0001E+00 03/15/2007	3/15/2007			۵
0	SB-125	1.57E+00	pCi/L	5.7E+00	$\supset$	1.06E+01			GAMMALL GS		13:38			C
BLX -	14234-35-6			5.7E+00					l		13:38			٥

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4821.Edd	1	fix RTyp	LCS R LCL/UCL Typ D
dlV∖Rad∖3	7 12:37	FSut	RER/ 1
edd\Fea	12/200	i	
eportdb\	te: 02/	File Id	e RPD/ d UCL /7
1.Edd, h:\R	tion Date e On Da ed Date;		Date/Time Analyzed 03/06/2007 19:05 03/06/2007
adIV\Rad\W0512	Collec Sampl Receiv	stilled Volume	Aliq Size/ 2.057E-01 L 2.057E-01
i:\Reportdb\edd\Fea	321 \TER	Decant Di	Analy Aliq Method Size/ PUISO_PLATE 2.057E-01 L PUISO_PLATE 2.057E-01
File Name: h	.,	Suffix	Spk Conc/ %Rec
05	br: W05 WAT BLK	. Nbr	Tracer Yield 82.4 82.4
onNbr:	Rept N x: ype:	SAS	MDC 1.90E-01 1.90E-01
Versi	Sdg/F Matri QC T	Case Nbr	Ou- al M U 1.90 U 1.90
pe: FEAD	;	sst User	Tot/Cnt Unit Uncert 2S pCi/L 8.1E-02 8.1E-02 pCi/L 8.1E-02 8.1E-02
ormatTy	:	ř	Unit pCi/L pCi/L
<b>!</b>	JPNJJ1AB NA	itract Nbr SBB-A19981	Result/ Orig Rst 3.18E-02 -7.95E-03
mNbr: R	nple ld: 1: e/Solids%	Cor MW6-	Analyt CAS# PU-238 13981-16-3 PU-239 PU-239/240
Fort	Lab Sar Client Ic Moistur	SAF Nbr	Batch # / Qc Type 7050422 PU BLK 139 7050422 PU BLK PU BLK PU
	FormNbr: R FormatType: FEAD VersionNbr: 05 File Name: h:\Reportdb\edd\Fead\VRad\W05121.Edd, h:\Reportdb\edd\Fead\VRad\34821.Edd	FormatType: FEAD versionNbr: 05 JPNJJ1AB Sdg/Rept Nbr: W0512* NA Matrix: WATER 3%*;	FormatType: FEAD versionNbr: 05 JPNJJ1AB Sdg/Rept Nbr: W0512* NA Matrix: WATER QC Type: BLK act Nbr Test User Case Nbr SAS Nbr S

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STIR	Rad\34821,Edd	2/2007 12:37	FSuffix RTyp	LCS R LCL/UCL Typ
Lab Code: STI B	/FeadIV/	2007 13		RER/ UCL
	ortdb\edd	02/12/	File Id	RPD/ UCL
	21.Edd, h:\Repo	Collection Date: 02/12/2007 12:37 Sample On Date: Received Date: 02/12/2007	=======================================	Date/Time Analyzed 03/13/2007 15:44
	eadIV\Rad\W051;	Collec Samp Recei	Distilled Volume	Aliq Date/Time Size/ Analyzed 3.7451E+00 03/13/2007 L 15:44
Report	File Name: h:\Reportdb\edd\FeadIV\Rad\W05121.Edd, h:\Reportdb\edd\FeadIV\Rad\34821.Edd	34821 WATER	Decant	Analy Method I129LL_SEP_L
STL Richland OC Blank Report	File Name:	121 348 ER WA	Suffix	Spk Conc/ %Rec
hland O	. 05	Nbr: W05121 WATER BLK	SAS Nbr	Tracer Yield 94.9
STL Ric	VersionNbr: 05	Sdg/Rept Nbr: W05121 Matrix: WATER QC Type: BLK	Nbr	
S FormatType: FEAD			Case	ع ≃ ⊃
			Test User	Tot/Cnt Unit Uncert 2S pCi/L 1.2E-01 1.2E-01
	Format	<b>a</b> a !	•	<b>Unit</b> pCi/L
007		JPNJM1AB NA	Contract Nbr MW6-SBB-A19981	Result Orig Rst -3.62E-02
Thursday, March 29, 2007	FormNbr: R	Lab Sample Id: Client Id: Moisture/Solids*:		atch # / Analyt/ 5 Type CAS# 150424 1-129L BLK 15046-84-1
Thursday	i	Lab Samp Client Id: Moisture/	SAF Nbr	Batch # / Ana Qc Type CAs 7050424 1-129L BLK 15046

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STLRL	Rad/34821.Edd	2:37	FSuffix RTyp BZ H	LCS R LCL/UCL Typ D
Lab Code: STLRL	FeadIV\	2007 12	1	RER/ UCL
La	rtdb\edd\	02/12//	: <u>D</u>	RPD/ UCL
	21.Edd, h:\Repo	Collection Date: 02/12/2007 12:37 Sample On Date: 02/12/2007	File Id	Date/Time Analyzed 03/11/2007 09:19
	File Name: h:\Reportdb\edd\FeadIV\Rad\W05121.Edd, h:\Reportdb\edd\FeadIV\Rad\34821.Edd	Collec Samp Receiv	Distilled Volume	Analy         Aliq         Date/Time           Method         Size/         Analyzed           SRISO_SEP_P         1.0025E+00         03/11/2007           L         09:19
Report	: h:\Reportdb\edd	34821 WATER	Decant	Analy Method SRISO_SEF
C Blank	File Name		Suffix	Spk Conc/ %Rec
land	05	br: W05 WAT BLK	SAS Nbr	Tracer Yield 80.2
STL Richland QC Blank Report	VersionNbr: 05	Sdg/Rept Nbr: W05121 Matrix: WATER QC Type: BLK	Case Nbr SAS	<b>MDC</b> 4.79E-01
			Cas	o la Co C s
	FormatType: FEAD		Test User	Tot/Cnt Unit Uncert 2S Ci/L 2.5E-01 2.5E-01
		<b></b>		<b>Unit</b> pCi/L
JPNJR1A NA			Contract Nbr MW6-SBB-A19981	Result Orig Rst 3.29E-01
Thursday, March 29, 2007	FormNbr: R	Lab Sample Id: Client Id: Moisture/Solids**:		itch # / Analyt/ : Type CAS# :50426 SR-90 BLK 10098-97-2
Thursday		Lab S Client Moist	SAF Nbr	Batch # / Analy Qc Type CAS 7050426 SR-90 BLK 10098-9

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STLRL	lad\34821.Edd	::59	FSuffix RTyp CB H	LCS R LCL/UCL Typ D
Lab Code: STLRL	FeadIWF	2007 08	ŧ	RER/ UCL
la.	rtdb\edd\	02/13/2	P	RPD/ UCL
	21.Edd, h:\Reportdb\edd\Fead\VRad\34821.Edc	Collection Date:         02/13/2007 08:59           Sample On Date:         02/13/2007	File Id	Date/Time Analyzed 03/23/2007 18:51
	adIV\Rad\W051;	Collec Samp Recei	Distilled Volume	Aliq Size/ 2.033E-01 L
Report	File Name: h:\Reportdb\edd\FeadIV\Rad\W05121.Edd, h:\Reportdb\edd\FeadIV\Rad\34821.Edd	34821 WATER	Decant	Analy Method 9310_ALPHAB
STL Richland QC Blank Report	File Name		Suffix	Spk Conc/ %Rec
nand	90	lbr: W05 ⁻ WAT BLK	SAS Nbr	Tracer Yield 100.0
STL Rich	VersionNbr: 05	Sdg/Rept Nbr: W05121 Matrix: WATER QC Type: BLK	Case Nbr SA	<b>о</b> и- al MDC J 6.59E-01
	FormatType: FEAD		Test User C	Tot/Cnt Uncert 2S 3.0E-01 (3.0E-01
	Format1 AB			Unit pCi/L
2007		JPNJV1AB NA	Contract Nbr MW6-SBB-A19981	Result Orig Rst 1.46E-01
Thursday, March 29, 2007	FormNbr: R	Lab Sample Id: Client Id: Moisture/Solids**:		Analyt CAS# ALPHA 12587-46-1
Thursday		Lab Samp Client Id: Moisture/	SAF Nbr	Batch # / Analy Qc Type CAS 7050428 ALPHA BLK 12587-4

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Thursday, March 29, 2007	207			S	E E	hand	STL Richland OC Blank Renort	Ronort			- 5	Lab Code: STLRL	STLRL
FormNbr: R	Fo.	FormatType: FEAD	: FEAD	>	VersionNbr: 05	05	File Name	File Name: h:\Reportdb\edd\FeadIV\Rad\W05121.Edd, h:\Reportdb\edd\FeadIV\Rad\34821.Edd	eadIV\Rad\W051;	21.Edd, h:\Rep	ortdb\edd\	FeadIVAR	ad/34821.Edd
Lab Sample Id: Client Id: Moisture/Solids%*:	JPNJW1AB NA			ΝΣΘ	Sdg/Rept Nbr: W05121 Matrix: WATER QC Type: BLK	Ubr: W05 WAT BLK	W05121 3 WATER v BLK	34821 WATER	Collec Samp Recei	Collection Date: 02/14/2007 10:50 Sample On Date: 02/14/2007	02/14/2007	2007 10	:50
SAF Nbr Cor MW6	Contract Nbr MW6-SBB-A19981	Test	Test User	Case N	Nbr SA	SAS Nbr	Suffix	Decant	Distilled Volume		File Id		FSuffix RTyp
Batch # / Analyt/ Qc Type CAS# 7050430 BETA BLK 12587-47-2	Result/ Orig Rst 2.42E+00 p	Tol/Cnt Unit Uncert 2S pCi/L 1.5E+00 1.4E+00	ToVCnt Uncert 2S 1.5E+00 1.4E+00	ح م ف	<b>MDC</b> 2.82E+00	Tracer Yield 100.0	Spk Conc/ %Rec	Analy Method 9310_ALPHAB	Aliq Size/ 3 2.004E-01 L	Date/Time Analyzed 03/23/2007 17:27	RPD/ UCL	RER/ UCL	LCS R LCL/UCL Typ

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Sdg/Rept Nbr:         WATER         Rathix         Collection Date:         02/09/2007         08:27           Addrix:         WATER         Sample On Date:         02/09/2007         08:27           QC Type:         BS         Received Date:         02/09/2007           Resolution Date:         Decart         Distilled Volume         File Id         FSuffix RTyp           R Nbr         Sas Nbr         Suffix         Decart         Distilled Volume         File Id         FSuffix RTyp           MDC         Vield         %Rec         Method         Size/         Analyzed         UCL UCL         LCS         R           8.15E-02         3.52E+01         UTOT_KPA         2.57E-02         03/20/2007         75         D	Š
Nbr:         W05121         34821         Collection Date:         02/09/2007 08:           WATER         WATER         Sample On Date:           BS         Received Date:         02/09/2007           AS Nbr         Suffix         Decant         Distilled Volume         File Id         F           Tracer         Spk Conc/ Yield         Analy         Aliq         Date/Time         RPD/ REM/ REM/ Analyzed         NER/ UCL         DCL UCL	rormatiype: rEAU
WATER WATER Sample On Date:  BS  Received Date: 02/09/2007  AS Nbr Suffix Decant Distilled Volume File Id F  Tracer Spk Conc/ Analy Aliq Date/Time RPD/ RER/ Yield %Rec Method Size/ Analyzed UCL UCL 3.52E+01 UTOT_KPA 2.57E-02 03/20/2007	JPNH01CS
AS Nbr Suffix Decant Distilled Volume File Id F  Tracer Spk Conc/ Analy Aliq Date/Time RPD/ RER/ Yield %Rec Method Size/ Analyzed UCL UCL 3.52E+01 UTOT_KPA 2.57E-02 03/20/2007	
AS Nbr Suffix Decant Distilled Volume File Id F  Tracer Spk Conc/ Analy Aliq Date/Time RPD/ RER/ Yield "Rec Method Size/ Analyzed UCL UCL 3.52E+01 UTOT_KPA 2.57E-02 03/20/2007	ŏ
Tracer Spk Conc/ Analy Aliq Date/Time RPD/ RER/ Yield %Rec Method Size/ Analyzed UCL UCL 3.52E+01 UTOT_KPA 2.57E-02 03/20/2007	Test User Case Nbr
	Tot/Cnt Qu- Unit Uncert 2S al ug/L 4.1E+00 4.1E+00

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STLRL	Rad/34821 Edd	3:27	FSuffix RTyp BK H	LCS R LCL/UCL Typ 75 D
Lab Code: STLRL	FeadIV	2007 08	į	RER/ UCL
 	ortdb\edd\	02/09/2007 08:27	<u>D</u>	RPD/ UCL
	21.Edd, h:\Repo	Collection Date:         02/09/2007 08:27           Sample On Date:         02/09/2007	File	Date/Time Analyzed 03/20/2007 15:22
in the	File Name: h:\Reportdb\edd\FeadIV\Rad\W05121.Edd, h:\Reportdb\edd\FeadIV\Bad\34821 Edd	Collec Samp Recei	Distilled Volume	Aliq Size/ 2.56E-02 ML
mple Repo	: h:\Reportdb\edd\	34821 WATER	Decant	Analy Method UTOT_KPA
ontrol Sa	File Name	W05121 348; WATER WA:	Suffix	Spk Canc/ %Rec 3.52E+00 98.4
OCC	05	or: Wo	Nbr	Tracer Yield
STL Richland QC Control Sample Report	VersionNbr: 05	Sdg/Rept Nbr: W05121 Matrix: WATER QC Type: BS	Case Nbr SAS Nbr	Qu- al MDC 8.19E-02
S	FormatType: FEAD		Test User	ToVCnt Unit Uncert 2S g/L 3.5E-01 3.5E-01
	Forma	Sa	<b>*</b>	3
2002		JPNH01DS NA %*:	Contract Nbr MW6-SBB-A19981	Result/ Orig Rst 3.47E+00
Thursday, March 29, 2007	FormNbr: R	Lab Sample Id: Client Id: Moisture/Solids%*:	SAF Nbr Co	Batch # / Analyt/ Qc Type CAS# 7050402 Uranium BS 7440-61-1
Th	·	!		<b>Bati</b> <b>Oc.</b> 7 705

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Thursday, March 29, 2007	007		S	Rich	land C	SC Con	ntrol Sar	STL Richland QC Control Sample Report	فسيا-		Lal	Lab Code: STLRL	STLRL
FormNbr: R	s.t.	FormatType: FEAD	EAD	Versi	ersionNbr: 05		File Name:	h:\Reportdb\edd\\	File Name: h:\Reportdb\edd\FeadIV\Rad\W05121.Edd, h:\Reportdb\edd\FeadIV\Rad\34821.Edd	1.Edd, h:∖Repα	ortdb\edd\l	FeadIV\R	ad\34821.Ed
Lab Sample Id: Client Id: Moisture/Solids%*:	JPNH21CS NA N*:	m		Sdg/Rept Matrix: QC Type:	Sdg/Rept Nbr: W05121 Matrix: WATER QC Type: BS	r: W05121 WATER BS		34821 WATER	Collec Sampl Receiv	Collection Date: 02/15/2007 10:31 Sample On Date: Received Date: 02/15/2007	02/15/2	2007 10	02/15/2007 10:31
SAF Nbr Co	Contract Nbr MW6-SBB-A19981	Test User		Case Nbr	SAS Nbr	- d	Suffix	Decant	Distilled Volume	FILE	File Id	:	FSuffix RTyp BM H
Batch #/ Analyt/ Qc Type CAS# 7050405 TC-99 BS 14133-76-7	Result/ Orig Rst 4.67E+02	Tot/Cnt Unit Uncert 2S pCi/L 3.3E+01 1.2E+01	Tot/Cnt Incert 2S 3E+01 2E+01	<b>Qu-</b> al M	MDC 1.02E+01 10	Tracer Yield 100.0	Spk Conc/ %Rec 5.40E+02 86.6	Analy Method TC99_SEP_L	Analy Aliq Method Size/ TC99_SEP_LS 1.263E-01	Date/Time Analyzed 03/07/2007 22:19	RPD/ UCL	RER/ UCL	LCS R LCL/UCL Typ 70 D 130

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Thursday, March 29, 2007	A 29, 2007			S		Chan	d QC	STL Richland QC Control Sample Report	ampl	e Report			- (4	Lab Code: STLRL	3TLRL
FormNbr: R	br: R	Ē.:	ormatTy	FormatType: FEAD		VersionNbr: 05	r: 05	File Na	ime: h:∖R	eportdb\edd\F∈	File Name: h:\Reportdb\edd\FeadIV\Rad\W05121.Edd, h:\Reportdb\edd\FeadIV\Rad\34821.Edd	(21.Edd, h:\Rep	ortdb\edd\.	\FeadIV\R	ad\34821.Ed(
Lab Sample Id: Client Id: Moisture/Solids%*:		JPNH31CS NA	! :	: : :	w ≥ d	Sdg/Rept Nbr: W05121 Matrix: WATER QC Type: BS	N Price	W05121 WATER <b>BS</b>	34821 WATER	AI	Colle Sam Recei	Collection Date:         02/09/2007 08:27           Sample On Date:         02/09/2007	02/09/;	2/09/2007 08:27	.27
SAF Nbr	Contract Nbr MW6-SBB-A19	Contract Nbr MW6-SBB-A19981	Ĕ	Test User	Case	Nbr S.	SAS Nbr	Suffix	Ď	Decant	Distilled Volume	: : :	File Id		FSuffix RTyp BO H
Batch # / Anal Gc Type CAS 7050408 TC-99 BS 14133-	yt/ 3# 5-97	Result/ Orig Rst	<b>Unit</b> pCi/L	Tot/Cnt Unit Uncert 2S Ci/L 3.5E+01 1.3E+01	ģ <u>e</u>	Trace MDC Yiel 9.98E+00 100.0	Tracer Yield ) 100.0	er Spk Conc/ d %Rec 5.36E+02 94.0	`	Analy Aliq Method Size/ TC99_ETVDSK 1.274E-01	Aliq Size/ < 1.274E-01	Date/Time Analyzed 03/03/2007 14:49	RPD/ UCL	RER/ UCL	LCS R LCL/UCL Typ 70 D 130

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Lab Code: STLRL	File Name: h:\Reportdb\edd\FeadIV\Rad\W05121.Edd, h:\Reportdb\edd\FeadIV\Rad\34821.Edd	2:39	FSuffix RTyp	LCS R LCL/UCL Typ 70 D 130
ıb Code:	∖FeadIV	2007 1	:	REP/ UCL
ï	ortdb\edd	02/12/	   <b>D</b>	RPD/ UCL
	21.Edd, h:\Repo	Collection Date: 02/12/2007 12:39 Sample On Date: Received Date: 02/12/2007	File Id	Date/Time Analyzed 03/13/2007 03:32
	dIV/Rad/W0512		Distilled Volume	Analy Aliq Method Size/ 906.0_H3_LSC 5.00E-03
port	- \edd\Fea		ō	3_LSC
nple Re	h:\Reportdb	34821 WATER	Decant	Analy Method 906.0_H3
STL Richland QC Control Sample Report	File Name		Suffix	<b>Spk Conc/</b> % <b>Rec</b> 2.72E+03 87.0
SCC	56	Sdg/Rept Nbr: W05121 Matrix: WATER QC Type: BS	⁴ br	Tracer Yield 100.0
and (	VersionNbr: 05	ept Nb : pe:	SAS Nbr	=
I Rich	Version	Sdg/Rept Matrix: QC Type:	Case Nbr	Qu- al MDC 2.98E+02
S	FormatType: FEAD	   	Test User	ToVCnt Unit Uncert 2S pCi/L 2.4E+02 2.0E+02
	FormatT	: : :	-	<b>Unit</b> pCi/L
200		JPNH51CS NA	Contract Nbr MW6-SBB-A19981	Result/ Orig Rst 2.37E+03
Thursday, March 29, 2007	FormNbr: R	Lab Sample Id: Client Id: Moisture/Solids%*:		Analyt/ CAS# H-3 10028-17-8
Thursday,		Lab Samp Client Id: Moisture/	SAF Nbr	Batch # / Qc Type 7050417 B

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STL Richland QC Control Sample Report	ld!V\Rad\W05121.Edd, h:∖Reportdb∖e	Sdg/Rept Nbr:W0512134821Collection Date:02/12/2007 12:39Matrix:WATERWATERSample On Date:QC Type:BSReceived Date:02/12/2007	Case Nbr Suffix Decant Distilled Volume File Id FSuffix RTyp BS H	Qu-         Tracer         Spk Conc/         Analy         Aliq         Date/Time         RPD/         RER/         LCS         R           al         MDC         Yield         %Rec         Method         Size/         Analyzed         UCL         UCL         LCL/UCL         Typ           3.03E+02         100.0         2.72E+03         906.0_H3_LSC         5.00E-03         03/13/2007         70         D           96.7         1         18.30         18.30         18.30         18.30         18.30
QC Control Sami	05 File Name: h:	<b>Jbr:</b> W05121 348; WATER WATER WA	Suffix	Tracer Spk Conc/ Yield %Rec 100.0 2.72E+03
STL Richland	FEAD VersionNbr:	Sdg/Rept N Matrix: QC Type:	Case Nbr	Q u la
207	FormatType: FEAD	JPNH51EM NA	Contract Nbr Test User MW6-SBB-A19981	Result         Tot/Cnt           Orig Rst         Unit         Uncert 2s           2.63E+03         pCi/L         2.5E+02           2.1E+02         2.1E+02
Thursday, March 29, 2007	FormNbr: R	Lab Sample Id: Client Id: Moisture/Solids%*:	SAF Nbr Con	Batch # / Analyv Qc Type CAS# 7050417 H-3 BS 10028-17-8

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Thursday, March 29, 2007 FormNbr: R	200	S' FormatType: FEAD	EL Richland VersionNbr.	nd QC Co	Ontrol Sau File Name	STL Richland QC Control Sample Report	rol Sample Report File Name: h:\Reportdb\edd\Fead\V\Rad\W05121.Edd, h:\Reportdb\edd\Fead\V\Rad\34821.Edd	Lab C. Reportdb\edd\Fea	Lab Code: STLRL	LRL \34821.Edc
Lab Sample Id: Client Id: Moisture/Solids%*:	JPNJF1CS NA	S	Sdg/Rept Matrix: QC Type:	Sdg/Rept Nbr: W05121 Matrix: WATER QC Type: BS	7 7 3	34821 WATER	Collection Date: Sample On Date: Received Date:	e: 02/12/2007 11:36 fte: 02/12/2007	- 57 11:3 77	9
SAF Nbr Con	Contract Nbr MW6-SBB-A19981	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	<u>. 9</u>	i	FSuffix RTyp
Batch #/ Analyt/ Qc Type CAS# 7050420 CO-60 BS 10198-40-0 7050420 CS-137 BS 10045-97-3 7050420 EU-152 BS 14683-23-9	Result Orig Rst 3.62E+01 2.83E+01 6.33E+01	Tot/Cnt     Unit Uncert 28     PCi/L 9.9E+00     9.9E+00     PCi/L 6.8E+00     6.8E+00     PCi/L 1.7E+01     1.7E+01	A.33E+00 4.33E+00 5.21E+00 U 2.47E+01	Tracer Vield 500 500 501 501 501 501 501 501 501 501	Spk Conc/ %Rec 3.76E+01 96.2 2.49E+01 114.0 7.63E+01 82.9	Anaiy Method GAMMALL_GS GAMMALL_GS GAMMALL_GS	Aliq Date/Time Size/ Analyzed 2.0028E+00 03/15/2007 L 13:38 L 13:38 L 2.0028E+00 03/15/2007 L 13:38 L 13:38	APD/ UCL	UCL L	LCS R 100 D 130 D 130 D 130 D 130 D
STL Richland rptFeadRadEdd v3.68		U Qual - Analyzed for, but the result is less than the Mdc or gamma scan did no J Qual - No U qualifier has been assigned and the result is below the Reporting B Qual - Analyte was found in the associated laboratory blank above the MDC.	d for, but the alifier has bee was found in t	result is less the assigned an he associated	nan the Mdc d the result is laboratory b	or gamma scan di s below the Repor lank above the M	U Qual - Analyzed for, but the result is less than the Mdc or gamma scan did not identify the nuclide. J Qual - No U qualifier has been assigned and the result is below the Reporting Limit (CRDL). B Qual - Analyte was found in the associated laboratory blank above the MDC.	ie.		18

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Lab Code: STLBI	File Name: h:\Reportdb\edd\FeadIV\Rad\W05121,Edd, h:\Reportdb\edd\FeadI\V\Rad\2x821 Edd	07 12:37	FSuffix RTyp	HER/ LCS R UCL LCL/UCL Typ 70 D
Lab Co	ortdb\edd\Fea	02/12/200	ple	RPD/ RE UCL U
	1.Edd, h:\Repo	Collection Date: 02/12/2007 12:37 Sample On Date: Received Date: 02/12/2007	File Id	Date/Time Analyzed 03/07/2007
1	adIV\Rad\W0512	Collect Sampl Receiv	Distilled Volume	Aliq Size/ 2.015E-01
STL Richland OC Control Sample Renort	h:\Reportdb\edd\Fe	34821 WATER	Decant D	Analy Method PUISO_PLATE
introl Sam	File Name:	121 34 ER W	Suffix	Spk Conc/ %Rec 4.50E+00 98.8
1 OC Co	. 05	Sdg/Rept Nbr: W05121 Matrix: WATER QC Type: BS	SAS Nbr	Tracer Yield 85.9
Richland	VersionNbr: 05		Nbr	Qu- al MDC 1.89E-01
STL	FormatType: FEAD		Test User Ca	Tot/Cnt C Unit Uncert 2S pCi/L 1.0E+00 8.4E-01
7	Form	JPNJJ1CS NA	Contract Nbr MW6-SBB-A19981	Result/ Orig Rst Ur 4.45E+00 pCi
Thursday, March 29, 2007	FormNbr: B	Lab Sample Id: Client Id: Moisture/Solids%*:		Analyt/ CAS# PU-239 PU-239/240
Thursday,		Lab Samp Client Id: Moisture/	SAF Nbr	Batch # / Qc Type / 7050422 F

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h 29, 2007	201	i	:		Richland	OCC	ntro Sa	Richland OC Control Sample Report	Ė	:	Lab	Lab Code: STLRL	STLRL	
or: B	!	Formatī	FormatType: FEAD		VersionNbr:	05	File Name	: h:\Reportdb\ed	File Name: h:\Reportdb\edd\FeadIV\Rad\W05121.Edd, h:\Reportdb\edd\FeadIV\Rad\34821.Edd	:1.Edd, h:\Repo	rtdb\edd\F	eadIV\R	ad\34821.Edd	
e Id:	JPNJM1CS NA	SS		₩ F House	Sdg/Rept Nbr: Matrix:	Nbr: W05121 WATER	1	34821 WATER	Collec	Collection Date:	02/12/2007 12:37	007 12	:37	
olids%*:				. •	QC Type:	BS		i i	Receiv	Sample On Date:	02/12/2007	200		
Cor MW6	Contract Nbr MW6-SBB-A19981		Test User	Case Nbr	1 7	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	<u> </u>	<u> </u>	FSuffix RTyp BY H	
S# S# -84-1	Result/Orig Rst7.68E+00	<b>Unit</b> pCi/L	Tot/Cnt Uncert 2S 1.1E+00 1.1E+00	o e	MDC 3.97E-01	Tracer Yield 95.5	Spk Conc/ %Rec 9.93E+00 77.3	Analy Method 1129LL_SEP_L	Aliq Date/Time Size/ Analyzed P_L 3.8942E+00 03/13/2007 L 17:30	Date/Time Analyzed 03/13/2007 17:30	RPD/ UCL	RER/ UCL	LCS R LCL/UCL Typ 70 D 130	_ a
v3.68		D D D D D D D D D D D D D D D D D D D	ial - Analyza al - No U qu ial- Analyte	ed for ualifie was f	y but the res r has been sound in the	sult is less that assigned an associated	han the Mdc d the result laboratory	U Qual - Analyzed for, but the result is less than the Mdc or gamma scan did no J Qual - No U qualifier has been assigned and the result is below the Reporting B Qual - Analyte was found in the associated laboratory blank above the MDC.	U Qual - Analyzed for, but the result is less than the Mdc or gamma scan did not identify the nuclide. J Qual - No U qualifier has been assigned and the result is below the Reporting Limit (CRDL). B Qual- Analyte was found in the associated laboratory blank above the MDC.	the nuclide. RDL).			20	

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Client Id:

Moisture/Solids%*:

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Batch # / Analyti Qc Type CAS# 7050424 I-129L

Thursday, March 29, 2007

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	1821.Edd		FSuffix RTyp	LCS R LCL/UCL Typ 70 D 130
Lab Code: STLRL	∧Rad\3	12:37	FSuff	
ab Code	l∖Feadl∖	/2007	:	RER/ UCL
<b></b> -à	ntdb\edc	02/12	P .	RPD/ UCL
	1.Edd, h:\Repo	Collection Date: 02/12/2007 12:37 Sample On Date: Received Date: 02/12/2007	File Id	Date/Time Analyzed 03/11/2007
	adIV\Rad\W0512	Collec Sampl Receiv	Distilled Volume	Analy         Aliq         Date/Time           Method         Size/         Analyzed           SHISO_SEP_P         1.0031E+00         03/11/2007           L         09:19
Richland QC Control Sample Report	File Name: h:\Reportdb\edd\FeadIV\Rad\W05121.Edd, h:\Reportdb\edd\FeadIV\Rad\34821.Edd	34821 WATER	Decant C	Analy Method SRISO_SEP_P
ontrol Sam	File Name:		Suffix	Spk Conc/ %Rec 1.35E+01 99.1
10cc	95	Sdg/Rept Nbr: W05121 Matrix: WATER QC Type: BS	SAS Nbr	Tracer Yield 81.4
nanc	VersionNbr: 05	Sdg/Rept Matrix: QC Type:	!	MDC 4.93E-01
STL Ric	Ver	Sdg/Re Matrix: QC Typ	Case Nbr	Q #6
S	FormatType: FEAD		Test User	ToVCnt Unit Uncert 2S pCi/L 2.1E+00 7.1E-01
	Format			<b>Unit</b> pCi/L
20	٠	JPNJR1CS NA	Contract Nbr MW6-SBB-A19981	Result/ Orig Rst 1.34E+01
Thursday, March 29, 2007	FormNbr: R	Lab Sample Id: Client Id: Moisture/Solids%*:		Analyt/ CAS# SR-90 10098-97-2
Thursday,	<b>й</b>	Lab Samp Client Id: Moisture/	SAF Nbr	Batch # / Analy Qc Type CAS 7050426 SR-90 BS 10098-9

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Thursday, March 29, 2007	.ћ 29, 2007		S	IL Ric	hland Q	C Contr	ol Sam	STL Richland QC Control Sample Report			Lal	Lab Code: STLRL	TLR
FormNbr: R	or: R	FormatT	FormatType: FEAD	Ver	VersionNbr: 05		ile Name:	File Name: h:\Reportdb\edd\FeadIV\Rad\W05121.Edd, h:\Reportdb\edd\FeadIV\Rad\34821.Edd	adIV/Rad/W05121	1.Edd, h:\Repo	ortdb\edd\f	FeadIMR	id\34821.Ed
Lab Sample Id: Client Id: Moisture/Solids%*:	le Id: JPNJV1CS NA solids%*:	10S		Sdg Mat QC	Sdg/Rept Nbr. Vatrix: QC Type:	Sdg/Rept Nbr: W05121 Matrix: WATER QC Type: BS	346 W,	34821 WATER	Collect Sample Receiv	Collection Date:         02/13/2007 08:59           Sample On Date:         02/13/2007	02/13/2007	2007 08	59
SAF Nbr	Contract Nbr MW6-SBB-A19981	· 	Test User	Case Nbr	SAS Nbr		Suffix	Decant D	Distilled Volume		File Id	lekim	FSuffix RTyp
Batch # /         Analyt           Qc Type         CAS#           7050428         ALPHA           BS         12587-46-1	Analyt Result/ CAS# Orig Rst >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	α.	Tot/Cnt Unit Uncert 2S pCi/L 6.5E+00 3.2E+00	<b></b> 9.6	MDC . 9.97E-01 10	Tracer Si Yield 100.0 2.2	Spk Conc/ %Rec 2.28E+01 106.3	Analy Method 9310_ALPHAB	Aliq Size/ 2.00E-01 L	Date/Time Analyzed 03/23/2007 18:51	APD/ UCL	RER/ UCL	LCS R LCL/UCL Typ 70 D 130

Chan - Analyze 104, but the result is less than the Muc of gaining scan did not identify the nuclide.	J Qual - No U qualifier has been assigned and the result is below the Reporting Limit (CRDL).	B Ourt Anglish was found in the consisted lake a tree thank a half MEN
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STLRL	ad\34821.Edd	:20	FSuffix RTyp	LCS R LCL/UCL Typ 70 D 130
Lab Code: STLRL	FeadlW∖R	2007 1(		RER/ UCL
La	rtdb\edd\	02/14/2	<u>p</u>	RPD/ UCL
	File Name: h:\Reportdb\edd\FeadIV\Rad\W05121.Edd, h:\Reportdb\edd\FeadIV\Rad\34821.Edd	Collection Date: 02/14/2007 10:50 Sample On Date: Received Date: 02/14/2007	File Id	Date/Time Analyzed 03/23/2007 17:27
	tdIV\Rad\W0512	Collec Samp Recei	Distilled Volume	Aliq Size/ 1.984E-01 L
eport	b\edd\Fea		ā	1 LPHAB
pple R	h:\Reportd	34821 WATER	Decant	Analy Method 9310_ALPHAB
STL Richland QC Control Sample Report	File Name:		Suffix	Spk Conc/ %Rec 2.28E+01 102.4
OC Co		r: W05121 WATER BS	Nbr	Tracer Yield 100.0
lichland i	VersionNbr: 05	Sdg/Rept Nbr: W05121 Matrix: WATER QC Type: BS	Nbr SAS Nbr	MDC 2.52E+00 1
	:	w ≥ u	Case	o e
; <b>č</b> a :	FormatType: FEAD		Test User	Tot/Cnt Unit Uncert 28 ICi/L 3.9E+00 2.4E+00
	FormatT	တ္	-	<b>Unit</b> pCi/L
207	·	JPNJW1CS NA	Contract Nbr MW6-SBB-A19981	Result/ Orig Rst 2.34E+01
Thursday, March 29, 2007	FormNbr: R	Lab Sample Id: Client Id: Moisture/Solids%*:		Analyt CAS# BETA 12587-47-2
Thursday,		Lab Samp Client Id: Moisture/	SAF Nbr	Batch # / Qc Type 7050430 BS

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Thursday, March 29, 2007	207			SI	Richlan	nd OC	Duplica	STL Richland QC Duplicate Report		!	Lal	Lab Code: STLRL	TLRL	,
FormNbr: R	<b>≝</b>	FormatType: FEAD	: FEAD	Ver	VersionNbr: 05	05	File Name	: h:\Reportdb\edd\	File Name: h:\Reportdb\edd\Fead!V\Rad\W05121.Edd, h:\Reportdb\edd\Fead!V\Rad\34821.Edd	1.Edd, h:\Repo	ortdb\edd\	FeadIV\R	id\34821.Ec	
Lab Sample Id: Client Id: Moisture/Solids%*:	JPAPP1ER B1M870			Sdç Mat	Sdg/Rept Nbr: W05121 Matrix: WATER QC Type: DUP	r: W05 WAT		34821 WATER	Collect Sampl Receiv	Collection Date:         02/09/2007 08:27           Sample On Date:         02/09/2007	Date: 02/09/2007 0 in Date: 02/09/2007 Date:	2007 08	27	٦
SAF Nbr Col W07-002 MW6	Contract Nbr MW6-SBB-A19981	Test	Test User	Case Nbr	r SAS Nbr	Nbr	Suffix	Decant	Distilled Volume	<u> </u>	File Id	5-Man	FSuffix RTyp	<u>_</u>
Batch # / Analyt           Qc Type         CAS#           7050402         Uranium           DUP         7440-61-1	Result Orig Rst 2.50E+02 2.52E+02	<b>Unit</b> Lug/L 3.	Tot/Cnt Unit Uncert 2S g/L 3.0E+01 3.0E+01	-i_e -i_e	MDC 8,32E-02	<b>Tracer</b> Yield	Spk Conc/ %Rec	Analy Method UTOT_KPA	Aliq Size/ 2.52E-02 ML	Date/Time Analyzed 03/20/2007 15:32	RPD/ UCL 1.0 20.0	RER/ UCL 0.1	LCS R LCLUCL Typ D	æ ç

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Thursday, March 29, 2007	2007			C Rich	and O(	Duplicat	STL Richland QC Duplicate Report			L'al	Lab Code: STLRL	STLRL
FormNbr: R	1 <u>1.</u> :	FormatType: FEAD	1	VersionNbr: 05	05	File Name	h:\Reportdb\edd\	File Name: h:\Reportdb\edd\FeadIV\Rad\W05121.Edd, h:\Reportdb\edd\FeadIV\Rad\34821.Edd	21.Edd, h:\Repo	ortdb\edd\l	FeadIV\R	ad\34821.Edc
Lab Sample Id: Client Id: Moisture/Solids%*:	JPAPP1FR B1M870 %*:		0, 20	Sdg/Rept Nbr: W05121 Matrix: WATER QC Type: DUP	Vbr. W05 WAT DUP		34821 WATER	Collec Samp Receiv	Collection Date: 02/09/2007 08:27 Sample On Date: Received Date: 02/09/2007	te: 02/09/2007 08:: ate: e: 02/09/2007	2007 08	.27
	Contract Nbr MW6-SBB-A19981	Test User	Case	Nbr SA	SAS Nbr	Suffix	Decant	Distilled Volume		File Id		FSuffix RTyp AW H
Batch # / Analyt/         Analyt/           Qc Type         CAS#           7050408         TC-99           DUP         14133-76-7	Result/ Orig Rst 1.12E+04 1.09E+04	Tot/Cnt Unit Uncert 2S pCi/L 6.7E+02 5.8E+01	O Le	MDC 1.03E+01	Tracer Yield 100.0	Spk Conc/ %Rec	Anaiy Method TC99_ETVDSK	Aliq Size/ SK 1.251E-01 L	Date/Time Analyzed 03/02/2007 23:12	RPD/ UCL 2.6 20.0	RER/ UCL 0.6 3	LCS R LCL/UCL Typ D

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:	1.Edd		ятур Н	LCS R LCL/UCL Typ D
Lab Code: STLRL	\Rad\3482	12:39	FSuffix RTyp AY H	_
ab Code	d∖FeadîV	/2007	: :	RER/ UCL 0.4
-7	ortdb\ed(	02/12/2007 12:3	File Id	RPD/ UCL 5.4 20.0
•	21.Edd, h:\Rep	Collection Date: 02/12/2007 12:39 Sample On Date: Received Date: 02/12/2007		Date/Time Analyzed 03/13/2007 10:20
	File Name: h:\Reportdb\edd\FeadIV\Rad\W05121.Edd, h:\Reportdb\edd\FeadIV\Rad\34821.Edd	Collec Samp Recei	Distilled Volume	Aliq Size/ 5.00E-03
	o\edd\Fe	4	: <b>-</b>	H3_LSC
STL Richland QC Duplicate Report	: h:\Reportd	34821 WATER	Decant	Analy Method 906.0_H3_LSC
Duplica	File Name		Suffix	Spk Conc/ %Rec
OC		Sdg/Rept Nbr: W05121 Matrix: WATER QC Type: DUP	lbr	Tracer Yield 100.0
man	Nbr: 05	pt Nbr	SAS Nbr	=
	VersionNbr: 05	Sdg/Rept Matrix: QC Type:	Nbr	<b>мрс</b> 2.99Е+02
S	:		Case	Ou-
:	FormatType: FEAD		Test User	Tot/Cnt Unit Uncert 28 pCi/L 1.8E+02 1.6E+02
	FormatT	Œ	-	<b>Unit</b> pCi/L
200	!	JPDCV1DR B1M951	Contract Nbr MW6-SBB-A19981	Result Orig Rst 1.06E+03
Thursday, March 29, 2007	FormNbr: R	Lab Sample Id: Client Id: Moisture/Solids%*:		Analyt CAS# H-3 10028-17-8
Thursday,		Lab Samp Client Id: Moisture/	<b>SAF Nb</b> r W07-002	Batch # / A Qc Type C 7050417 H-3 DUP 1000

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Thursday, March 29, 2007	, 2007		:		L Richle	and Q	STL Richland QC Duplicate Report	e Report			Lab	Lab Code: STLRL	TLR
FormNbr: R	· .	FormatType: FEAD	e: FEAD		VersionNbr: 05	05	File Name:	File Name: h:\Reportdb\edd\FeadIV\Rad\W05121.Edd, h:\Reportdb\edd\FeadIV\Rad\34821.Edd	adIV\Rad\W0512	1.Edd, h:\Repo	rtdb\edd\F	-eadIV\Ra	td\34821.Edd
Lab Sample Id: Client Id: Moisture/Solids%*:	: JPDM31GB B1M7H8 <b>s</b> %*:	Œ		o z c	Sdg/Rept Nbr: W05121 Matrix: WATER QC Type: DUP	tbr: W05 WAT DUP	·	34821 WATER	Collect Sampl	Collection Date: Sample On Date: Received Date:	02/12/2007 11:36	2007 111:	36
<b>SAF Nbr</b> S07-002 M	Contract Nbr MW6-SBB-A19981	, <del>L</del>	Test User	Case		SAS Nbr	Suffix	Decant D	Distilled Volume	File Id	Di J		FSuffix RTyp AZ H
Batch # / Analyt/ Qc Type CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	a Q	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time	RPD/	RER/	2 ر
0		pCi/L 2	2.6E+01	⊃	4.49E+01			GAMMALLGS	1.9728E+00 03/15/2007	03/15/2007	0.0	0.8	٥ الم
<b>DUP</b> 13966-02-4 7050420 CO-60	4 2.08E-01 6.02F+01	nCi/l	2.6E+01 1.2E+01		4 71E,00			()		11:49	20.0	က [.]	
			.2E+01		1.1			GAIVIIVIALL_GS	1.9728E+00 03/15/2007	73/15/2007	1.5	9.1	۵
7050420 CS-134		pCi/L 3	3.2E+00	_	5.72E+00			GAMMALL GS	1.9728E+00 03/15/2007	03/15/2007	0.0	n c	C
			3.2E+00							11:49	20.0	် က	)
0		pCi/L	2.6E+00	$\supset$	5.05E+00			GAMMALL_GS 1.9728E+00 03/15/2007	1.9728E+00	03/15/2007	128.7	1.8	۵
<b>DUF</b> 10045-97-3 7050420 F11-152	3 4.19E+00 1 47E+00	O. I.	2.6E+00 5.8E+00	-	1 075.01				ر ا ا	11:49	20.0	က	
			5.8E+00	)	1.07 E+0.1			GAMMALL_GS 1.9728E+00 03/15/2007	1.9728E+00 (	03/15/2007 11:49	70.7	0.4 4	۵
0		pCi/L 6	6.8E+00	$\supset$	1.37E+01			GAMMALL_GS	1.9728E+00 03/15/2007	33/15/2007	0.0	0.4	۵
			6.8E+00	;	!					11:49	20.0	ဗ	
/USU4ZU EU-155		pCI/L 4	4.4E+00	>	7.89E+00			GAMMALL_GS	1.9728E+00 03/15/2007	33/15/2007	102.6	0.4	۵
7050420 K-40	. Z.U3E+00 -6 44F+01	0	4.4E+00	=	14 TI				-J - C	11:49	20.0	က	
			4.2E+01	)	3.1.1			GAMMALL_GS 1.9728E+00 03/15/2007	1.9728E+00 (	13/15/2007	0.0	<del>(_</del> (	۵
7050420 RU-106	1.30E+01	pCi/L 2	2.2E+01	$\supset$	4.37E+01			GAMMALL GS 1.9728E±00 03/15/2007	1.9728F+00 (	11.43	675.0	۰ ر س	د
			2.2E+01					ſ		11:49	20.0	)	מ
0		pCi/L 5	5.5E+00	n	9.55E+00			GAMMALL_GS 1.9728E+00 03/15/2007	1.9728E+00 (	3/15/2007	6551.5	7.	۵
<b>DUP</b> 14234-35-6	2.92E+00	τO	5.5E+00							11:49	20.0	• •	

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TLRL	d/34821.Edd	37	FSuffix RTyp BA H	LCS R LCL/UCL Typ D D
Lab Code: STLRL	adIV∖Ra	007 12:3	ŭ	RER/ UCL 0.4 3
Lab	db\edd\Fe	02/12/2007	-	RPD/ UCL 200.0 20.0 0.0
	.Edd, h:\Report	Collection Date:         02/12/2007 12:37           Sample On Date:         02/12/2007	File Id	Date/Time Analyzed 03/06/2007 19:04 19:04
	File Name: h:\Reportdb\edd\FeadIV\Rad\W05121.Edd, h:\Reportdb\edd\FeadIV\Rad\34821.Edd	Collect Sample Receiv	Distilled Volume	
Report	h:\Reportdb\edd\Fe	34821 WATER	Decant	Analy Aliq Method Size/ PUISO_PLATE 1.984E-01 L PUISO_PLATE 1.984E-01
STL Richland QC Duplicate Report	File Name:	- ·	Suffix	Spk Conc/ %Rec
and QC	90	Sdg/Rept Nbr: W05121 Matrix: WATER	SAS Nbr	Tracer Yield 75.6 75.6
L Richl	VersionNbr; 05	Sdg/Rept i Matrix: QC Type:	Nbr	MDC 2.22E-01 2.21E-01
S	i		Case	ja a
	FormatType: FEAD	:	Test User	Tov/cnt Unit Uncert 2S pCi/L 9.4E-02 pCi/L 9.4E-02 pCi/L 9.4E-02
2	Form	JPDMR1ER B1M7F9	Contract Nbr MW6-SBB-A19981	Result/Orig Rst         U           0.00E+00         pC           2.97E-02         -9.25E-03           -7.44E-03         pC
Thursday, March 29, 2007	FormNbr: R	Lab Sample Id: Client Id: Moisture/Solids%*:		Anatyt CAS# PU-238 13981-16-3 PU-239
Thursday, A	For	Lab Samp Client Id: Moisture/	<b>SAF Nbr</b> S07-002	Batch # / Qc Type 7050422 Pt DUP 13 7050422 Pt DUP Pt

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rptFeadRadEdd v3.68

Ī	.Edd		RTyp H	LCS R LCL/UCL Typ D
STLRL	Rad\34821	2:37	FSuffix RTyp BB H	
Lab Code: STLRL	/FeadIV	2007 1		RER/ UCL 1.5
**************************************	ortdb\edd	02/12/	File Id	RPD/ UCL 17.3 20.0
	1.Edd, h:\Repc	Collection Date:         02/12/2007 12:37           Sample On Date:         02/12/2007		Date/Time Analyzed 03/13/2007 13:57
	adIV\Rad\W0512	Collect Sampl Receiv	Distilled Volume	Aliq Date/Time Size/ Analyzed 3.8784E+00 03/13/2007 L 13:57
e Report	File Name: h:\Reportdb\edd\FeadIV\Rad\W05121.Edd, h:\Reportdb\edd\FeadIV\Rad\34821.Edd	34821 WATER	Decant	Analy Method 1129LL_SEP_L
STL Richland QC Duplicate Report	File Name:	.,	Suffix	Spk Conc/ %Rec
nd QC	90	Sdg/Rept Nbr: W05121 Matrix: WATER	Nbr	Tracer Yield 93.8
ichlar	VersionNbr: 05	lept Nb c: /pe:	SAS Nbr	MDC 3.55E-01 9
STLR	Version	Sdg/Rept Matrix: QC Type:	Case Nbr	Qu- al M 3.55
	FormatType: FEAD		Test User	Tot/Cnt Unit Uncert 2S pCi/L 7.4E-01 7.4E-01
	FormatT	ε μ	-	<b>unit</b> pCi/L
2007	!	JPDMR1FR B1M7F9	Contract Nbr MW6-SBB-A19981	Result Orig Rst 5.04E+00 4.24E+00
Thursday, March 29, 2007	FormNbr: R	Lab Sample Id: Client Id: Moisture/Solids%*:	<b>.</b>	Analyt/ CAS#  -129L  15046-84-1
Thursda)		Lab Clier Mois	<b>SAF Nbr</b> S07-002	Batch # / Anal Qc Type CAS 7050424  -129L DUP 15046-

rptFeadRadEdd v3.68

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	Edd		g, H	R TYP
STLRL	ład\34821.	2:37	FSuffix RTyp BC H	LCS R LCL/UCL Typ D
Lab Code: STLRL	FeadIMF	2007 12		RER/ UCL 0.2
Lal	rtdb/edd/	02/12/2007	<u> </u>	RPD/ UCL 11.0 20.0
	11.Edd, h:\Repo	Collection Date:         02/12/2007 12:37           Sample On Date:         02/12/2007	File Id	Date/Time Analyzed 03/11/2007 09:19
	File Name: h:\Reportdb\edd\FeadiV\Rad\W05121.Edd, h:\Reportdb\edd\FeadIV\Rad\34821.Edd	Collec Samp Receiv	Distilled Volume	Analy Aliq Method Size/ SRISO_SEP_P 9.007E-01
T	o\edd\Fea		ā	SEP_P
STL Richland QC Duplicate Report	h:\Reportdb	34821 WATER	Decant	Analy Method SRISO
plicat	ile Name:	ტ ≶	Suffix	Spk Conc/ %Rec
SC DI	11.	Sdg/Rept Nbr: W05121 Matrix: WATER QC Type: DUP	ช	
and (	: 05	N	SAS Nbr	Tracer Yield 50.6
Rich	VersionNbr: 05	Sdg/Rept Matrix: QC Type:		MDC 9.17E-01
S	Ver	Sdç Mai	Case Nbr	ال ماري ال عاد 9.
	FormatType: FEAD	:	Test User	Tot/Cnt Unit Uncert 2S pCi/L 4.7E-01 4.6E-01
	FormatT	Œ.	-	<b>Unit</b> pCi/L
200	- ;	JPDMR1GR B1M7F9	Contract Nbr MW6-SBB-A19981	Result/ Orig Rst 6.13E-01 5.49E-01
Thursday, March 29, 2007	FormNbr: R	Lab Sample Id: Client Id: Moisture/Solids%*:		Analyt/ CAS# SR-90 10098-97-2
Thursday,		Lab Samp Client Id: Moisture/	<b>SAF Nbr</b> S07-002	Batch # / Qc Type 7050426 DUP

rptFeadRadEdd v3.68

	Edd		н н	LCL/UCL Typ D
STLAL	3ad/34821	3:59	FSuffix RTyp BE H	rcr/no
Lab Code: STLRL	FeadIVIF	2007 08	To the control of the	RER/ UCL 0.2
La	rtdb\edd\	02/13/2007	<u>p</u>	RPD/ UCL 17.7 20.0
	21.Edd, h:\Repo	Collection Date: 02/13/2007 08:59 Sample On Date: Received Date: 02/13/2007	Hie Id	Date/Time Analyzed 03/23/2007 16:57
	File Name: h:\Reportdb\edd\Fead\V\Rad\W05121.Edd, h:\Reportdb\edd\Fead\V\Rad\34821.Edd	Collec Samp Recei	Distilled Volume	Aliq Size/ 1.792E-01 L
<del></del>	\edd\Fea		Ö	LPHAB
STL Richland QC Duplicate Report	h:\Reportdt	34821 WATER	Decant	Analy Method 9310_ALPHAB
plicat	le Name:	<i>è</i> >	Suffix	Spk Conc/ %Rec
Co	Œ	W05121 WATER <b>DUP</b>	S	
and Q	02	Sdg/Rept Nbr: W05121 Matrix: WATER	SAS Nbr	Tracer Yield 100.0
Richi	VersionNbr: 05	Sdg/Rept N Matrix: QC Type:		Trace MDC Yield 2.16E+00 100.0
S	Ver	Sdg Mat	Case Nbr	الاستان الاستادات ال
	EAD			Tot/Cut Uncert 2S 1.4E+00 1.3E+00
:	FormatType: FEAD		Test User	Tot/Cnt Unit Uncert 2S pCi/L 1.4E+00 1.3E+00
	Forma	TT CT	- <del></del>	
207		JPHEX1FR B1M9B1	Contract Nbr MW6-SBB-A19981	<b>Result/ Orig Rst</b> 1.48E+00
Thursday, March 29, 2007	br: R	Lab Sample Id: Client Id: Moisture/Solids%*:	Col MW6	Analyt/ CAS# ALPHA 12587-46-1
ıy, Marc	FormNbr: R	Lab Sample Id: Client Id: Moisture/Solids	<b>SAF Nbr</b> V07-002	
Thursde		Lab Clie Moi	<b>SAF Nbr</b> W07-002	Batch # / Analy Qc Type CAS# 7050428 ALPHA DUP 12587-4

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STL Richland rptFeadRadEdd v3.68

Thursday, March 29, 2007	7			STI	Richlar	nd QC	STL Richland QC Duplicate Report	e Report			Lat	Lab Code: STLRL	TLAL
	о́.	rmatTy	FormatType: FEAD	>	VersionNbr: 05	05	File Name:	File Name: h:\Reportdb\edd\FeadIV\Rad\W05121.Edd, h:\Reportdb\edd\FeadIV\Rad\34821.Edd	[∈] eadIV\Rad\W051	21.Edd, h:\Rep	ortdb\edd\f	-eadIV\R	ld\34821.Edd
Lab Sample Id: Client Id: Moisture/Solids***	JPHGJ2GR B1LD97			й≌с	Sdg/Rept Nbr: W05121 Matrix: WATER	r: W05121 WATER	.,	34821 WATER	Colle Sam	Collection Date: 02/14/2007 10:50 Sample On Date:	02/14/2	2007 10	50
를 X	Contract Nbr MW6-SBB-A19981	ļ.	Test User	Case N	Nbr SAS Nbr		Suffix	Decant	Distilled Volume		File Id		FSuffix RTyp BF H
	Result/ Orig Rst 9.51E+00 p 8.34E+00	<b>Unit</b> pCi/L	Tot/Cnt Unit Uncert 2S Ci/L 2.3E+00 1.9E+00	Out F	Trac. MDC Yiel. 2.86E+00 100.0	Tracer Yield 100.0	Spk Conc/ %Rec	Analy Method 9310_ALPHAB	Aliq Size/ .B 2.001E-01	Date/Time Analyzed 03/27/2007 11:46	RPD/ UCL 13.2 20.0	RER/ UCL 0.7 3	LCS R LCL/UCL Typ D

U Qual - Analyzed for, but the result is less than the Mdc or gamma scan did not identify the nuclide J Qual - No U qualifier has been assigned and the result is below the Reporting Limit (CRDL).  B Oual- Analyte was found in the associated laboratory blank above the MDC.	
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rptFeadRadEdd v3.68

Thursday, March 29, 2007	29, 2007		SIL	Richlan	1 QC Du	plicate	IL Richland QC Duplicate Report		•	Lah	Lab Code: STLRL	ILRL
FormNbr: R	CC	FormatType: FEAD		VersionNbr: 05		Tile Name:	h:\Reportdb\edd\F	File Name: h:\Reportdb\edd\Fead\V\Rad\W05121.Edd, h:\Reportdb\edd\Fead\V\Rad\34821.Edd	1.Edd, h:\Repo	rtdb\edd\F	eadIV\Ra	d/34821.Edd
Lab Sample Id: Client Id: Moisture/Solids%*;	ld: JPMDG1DR B1M854 Nids**:	DR	Sdg Mat QC	Sdg/Rept Nbr: W05121 Matrix: WATER QC Type: DUP	W05121 WATER DUP		34821 WATER	Collect Sampl Receiv	Collection Date: 02/15/2007 10:31 Sample On Date: Received Date: 02/15/2007	02/15/2007	007 10:	31
<b>SAF Nbr</b> W07-002	Contract Nbr MW6-SBB-A19981	Test User	Case Nbr	r SAS Nbr	•	Suffix	Decant	Distilled Volume	File Id	D	<u>L</u>	FSuffix RTyp BG H
Batch # / Analyt/ Qc Type CAS# 7050405 TC-99 DUP 14133-76-7	# Result # Orig Rst 7.87E+03 76-7 9.16E+03	Tot/Cnt Unit Uncert 2S pCi/L 4.7E+02 4.9E+01	a Ç	MDC 1.05E+01 10	Tracer S Yield 100.0	Spk Conc/ %Rec	Analy Method TC99_SEP_L	Analy Aliq Method Size/ FC99_SEP_LS 1.255E-01	Date/Fime Analyzed 03/07/2007 17:06	RPD/ UCL 15.2 20.0	RER/ UCL 3.9	LCS R LCL/UCL Typ D

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rptFeadRadEdd v3.68

Thursday, March 29, 2007	2002			Es	Richlan	id Qc I	Aatrix Sp	Richland Qc Matrix Spike Report	-fund		la.I	Lab Code: STLRL	STLRL
FormNbr: R		ormatTy	FormatType: FEAD	>	VersionNbr: 05	05	File Nam	:: h:\Reportdb\ec	File Name: h:\Reportdb\edd\Fead!\V\Rad\W05121.Edd, h:\Reportdb\edd\Fead!\V\Rad\34821.Edd	21.Edd, h:\Rep	ortdb\edd\	FeadIVIR	ad/34821.Edd
Lab Sample Id: Client Id: Moisture/Solids%*:	JPAPR1DW B1M902 %*:	<b>⊰</b>		ώΣσ	Sdg/Rept Nbr: W05121 Matrix: WATER QC Type: MS	lbr: WO.		34821 WATER	Colle Sami Rece	Collection Date:         02/09/2007 11:51           Sample On Date:         02/09/2007	02/09/2007	2007 11	.5 <del>.</del>
SAF Nbr C W07-002 MW	Contract Nbr MW6-SBB-A19981	<b>F</b>	Test User	Case	Nbr SA	SAS Nbr	Suffix	Decant	Distilled Volume		File Id		FSuffix RTyp AX H
Batch # / Analyt/ Qc Type CAS# 7050408 TC-99 MS 14133-76-7	Result/ Orig Rst 3,49E+03	<b>Unit</b> pCi/L	Tot/Cnt Unit Uncert 2S pCi/L 2.7E+02 3.7E+01	ب <u>ه</u>	<b>MDC</b> 1.04E+01	Tracer Yield 100.0	Spk Conc/ %Rec 3.67E+03 95.1	·	Analy Aliq Method Size/ TC99_ETVDSK 1.247E-01	Date/Time Analyzed 03/03/2007 01:17	RPD/ UCL	RER/ UCL	LCS R LCL/UCL Typ 60 D 140

5 - 8	U Qual - Analyzed for, but the result is less than the Mdc or gamma scan did not identify the nuclide. J Qual - No U qualifier has been assigned and the result is below the Reporting Limit (CRDL). B Qual- Analyte was found in the associated laboratory blank above the MDC.
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Thursday, March 29, 2007	.007		STL Ric	hland (	e Matr	ix Spik	STL Richland Qc Matrix Spike Report			Lab	Lab Code: STLRL	TLRL
FormNbr: R	Ŗ	FormatType: FEAD	<b>~</b> !	ersionNbr: 05	Œ,	le Name: h	:\Reportdb\edd\F	File Name: h:\Reportdb\edd\FeadIV\Rad\W05121.Edd, h:\Reportdb\edd\FeadIV\Rad\34821.Edd	1.Edd, h:\Repc	ortdb\edd\F	eadIV\R	d\34821.Edc
Lab Sample Id: Client Id: Moisture/Solids%*;	JPDMW1GW B1M7H7 %*:	8	Sdg/Rept Matrix: QC Type:	Sdg/Rept Nbr: W05121 Matrix: WATER QC Type: MS	W05121 WATER	34821 WATE	34821 WATER	Collec Samp Receiv	Collection Date:         02/12/2007 11:36           Sample On Date:         02/12/2007	02/12/2007	2007 11	36
<b>SAF Nbr Cc</b> S07-002 MW	Contract Nbr MW6-SBB-A19981	Test User	Case Nbr	SAS Nbr	Suffix	Lix	Decant	Distilled Volume		File Id		FSuffix RTyp BD H
Batch # / Analyt/ Qc Type CAS# 7050402 Uranium MS 7440-61-1	Result/ Orig Rst 3.31E+01	Tot/Cnt Unit Uncert 2S ug/L 5.2E+00 5.2E+00	O u-	Tn MDC Y 8.25E-02	Tracer Spk Yield %f 3.55E 93.2	Spk Conc/ %Rec 3.55E+01 93.2	Analy Method UTOT_KPA	Aliq Size/ 2.54E-02 ML	Date/Time Analyzed 03/20/2007 15:41	RPD/ UCL	RER/ UCL	LCS R LCL/UCL Typ 60 D 140

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Thursday, March 29, 2007	rch 29, 26	107				Richla	nd Qc	L Richland Qc Matrix Spike Report	pike Rep	<u> </u>			Lah	Lab Code: STLRL	TLRL
Form	FormNbr: R		FormatTy	FormatType: FEAD	>	VersionNbr: 05	90	File Nan	File Name: h:\Reportdb\edd\Fead!\V\Rad\W05121.Edd, h:\Reportdb\edd\Fead!\V\Rad\34821.Edd	edd\Fead	FeadIV\Rad\W0512	21.Edd, h:\Reportdb`	ortdb\edd\F	FeadIMR	ad/34821.Edd
Lab Sample Id: Client Id: Moisture/Solids	Lab Sample Id: Client Id: Moisture/Solids%*:	JPMDH1EW B1M8L2	M.		ďΣσ	Sdg/Rept Nbr: W05121 Matrix: WATER QC Type: MS	Nbr: WOE WA	W05121 WATER MS	34821 WATER		Collec Samp Recei	Collection Date: 02/15/2007 12:05 Sample On Date: Received Date: 02/15/2007	02/15/2007	2007 12	:05
SAF Nbr W07-002	Cor	Contract Nbr MW6-SBB-A19981	<b>F</b>	Test User	Case Nbr	ì	SAS Nbr	Suffix	Decant	Dis	Distilled Volume		File 1d		FSuffix RTyp BH H
Batch # / Anal Qc Type CAS 7050405 TC-99 MS 14133-	Analyt/ CAS# TC-99 14133-76-7	Result/ Orig Rst 2.93E+03	Unit pCi/L	Tot/Cnt Unit Uncert 2S pCi/L 2.3E+02 3.3E+01	on la	Trace MDC Yield 1.02E+01 100.0	Tracer Yield 100.0	Spk Conc/ %Rec 3.59E+03 81.6	_	87 ⁻ d3	Analy Aliq Method Size/ TC99_SEP_LS 1.265E-01	Date/Time Analyzed 03/07/2007 19:11	RPD/ UCL	RER/ UCL	LCS R LCL/UCL Typ 60 D 140

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rptFeadRadEdd v3.68

ENGEN STI Data Review/Verification Checklist 3/8/2007 7:49:06 AM RADIOCHEMISTRY, First Level Review Lot No., Due Date: J7B130298: 03/29/2007 Client, Site: 384868; PGW 615HANFORD HANFORD QC Batch No., Method Test: 7050422; RPUISO Pulso by ALP SDG, Matrix: W05121; WATER 8.0 Correction Calculation Protocol Used. Yeş No N/A 8.01 The Appropriate Methods Were Used To Analyze the Samples Yeş No N/A 8.02 Final Results Are in the Appropriate Activity Units Yeş No N/A 8.03 Batch Contains the Required QC Appropriate for the Method Yeş No N/A 8.04 The Correct Tracer and QC Vials Where Used in the Samples Yes No N/A 8.05 Sample was Appropriately Traced Before or After Fractionating the Sample Yeş No N/A 8.06 At Least the Minimum Sample Volume Was Used Yeş No N/A 8.07 The Correct Count Geometry was Used. Yeş No N/A 8.08 The Sample was Counted for the Minimum Count Time or CRDL was Achieved. Yeş No N/A 8.09 Method Blank is within Control Limits. Yeş/NoN/A OK 8.1 Comments: 8.11 Matrix Blank is within Control Limits. Yes No N/A No Matrix Blanks (MBIks) found in Batch! 8.12 Method Blank(s) < QAS Limit Value (No B Flag Necessary). Yeş No N/A 8.13 QAS Specified Duplicate Equation Value within Control Limits. Yes No N/A RPD > UCL: 20.0=> JPDMR1AE PU-238 200.0 (RPD) Poth < MTA OK PA 3.8.07 8.14 LCS within Control Limits. Yeş No N/A OK 8.15 MLCS within Control Limits. Yes No N/A No Matrix Spikes (MLCS) found in Batch! 8.16 MS within Control Limits. Yes No N/A No Matrix Spike Samples (MS) found in Batch! 8.17 Tracer within Control Limits. Yeş No N/A 8.18 Samples are above Minimum Tracer Yield (No Failed Samples) Yeş No N/A 8.19 Sample Specific MDC <= CRDL. Yeşr No N/A 8.2 Comments: 8.21 Result < Lc, Activity Not Detected, U Flag. Yes No N/Ax No Limit Specified! 8.22 Result < Mdc. Activity Not Detected, U Flag. No N/A No Positive Results 8.23 Result <= Action Level, when Defined. No N/A OK: No Action Level Found => PU-238 PU-239 OK: No Callin Level Found => PU-238 PU-239 8.24 Result + 3s >=0, Not Too Negative No N/A OK STL Richland Page 1 QAS_RADCALCv4.8.26

STL RICHLAND

8.25 Counting Spectrum are within FWHM Limits.	Yes	Ngy	N/A
FWHM > maxFWHM => JPNJJ1AC PU-239 49>0 Q:V1 8.26 Instruments have Current Calibrations.		No	
8.27 Correct Count Library Used.  Library Not Specified => JPDMR1AC I:[NUC_LIBR]AR_PU (	Yes	No	N/A
JPNJJ1AC I:[NUC_LIBR]AR_PU Q: 8 28 Instrument Background within Limits at Time of Count	ting. (Not Applicable to this version. To be developed in later version)	No	N/A
	Counting. (Not Applicable to this version. To be developed in later version)		
8.3 Comments:		,	
8.31 Results Blank Subtracted as Appropriate. OK	Yes	No	N/A
			, Alexandre
			The state of the s
			Ì
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			and the supply of
First Level Review Jan and andrew	Date <u>9-8-87</u>		
STL Richland OAS RADCALCV4.8.26 STL. RICHLAND	Page	2	_54

STL RICHLAND



Data Review Checklist RADIOCHEMISTRY Second Level Review

QC Batch Number:	7050422
·	WOJIZI

Review Item	Yes (√)	No(V)	TATIA (TS
A. Sample Analysis	1 200 (1)	110(1)	N/A (1)
1. Are the sample yields within acceptance criteria?			
2. Is the sample Minimum Detectable Activity < the Contract		-	
Detection Limit?			and the same of th
3. Are the correct isotopes reported?	-		
B. QC Samples	1		
1. Is the Minimum Detectable Activity for the blank result ≤ the	R A R L		
Contract Detection Limit?			
2. Does the blank result meet the Contract criteria?			
3. Is the blank result < the Contract Detection Limit?			
4. Is the blank result > the Contract Detection Limit but the country	1		
result < the Contract Detection Limit?			
5. Is the LCS recovery with contract acceptance criteria?			
7. Is the LCS Minimum Detectable Activity ≤ the Contract Detection	+		
Limit?		1	
8. Do the MS/MSD results and yields meet acceptance criteria?	<del> </del>		
9. Do the duplicate sample results and yields meet acceptance	<del> </del>	<u> </u>	
criteria?			İ
C. Other	<del>                                     </del>		
1. Are all Nonconformances included and noted?		ļ	1
2. Are all required forms filled out?			
3. Was the correct methodology used?			
4. Was transcription checked?			
5. Were all calculations checked at a minimum frequency?			
6. Were units checked?			
			1

3. Was the correct methodology used?			
4. Was transcription checked?			
5. Were all calculations checked at a minimum frequency?			
6. Were units checked?			
Comments on and (DI-)			
Comments on any "No" response:			
	the same of the sa		
	*		
	1		
Second Level Review Russyl Q Q	0	Date: 3-1	12 14
	the same	Date:	2-01

Data Review/Verification Checklist SEVERN 3/27/2007 10:20:39 AM TRENT RADIOCHEMISTRY, First Level Review Lot No., Du Bate: J7B150271,J7B150278; 03/30/2007 Client, Site: 384868; PGW 615HANFORD HANFORD QC Batch No., Method Test: 7050428; RALPHA-A Alpha by GPC-Am SDG, Matrix: W05121; WATER 8.0 Correction Calculation Protocol Used. Yes No N/A 8.01 The Appropriate Methods Were Used To Analyze the Samples Yes No N/A 8.02 Final Results Are in the Appropriate Activity Units Yeş No N/A 8.03 Batch C intains the Required QC Appropriate for the Method Yeş No N/A 8.04 The Correct Tracer and QC Vials Where Used in the Samples Yeş No N/A 8.05 Sample was Appropriately Traced Before or After Fractionating the Sample Yeş No N/A OK 8.06 At Least the Minimum Sample Volume Was Used Yes No/N/A Analysis Volume => JPHEX1AA 178.80<200.00 JPHFH1+A 179.60<200.00 Q:VB 8.07 The Correct Count Geometry was Used. Yeş No N/A 8.08 The Sar ple was Counted for the Minimum Count Time or CRDL was Achieved. Yes No N/A 8.09 Method Blank is within Control Limits. No N/A OK 8.1 Comments: 8.11 Matrix Blank is within Control Limits. Yes No N/A No Matrix 3lanks (MBlks) found in Batch! 8.12 Method Blank(s) < QAS Limit Value (No B Flag Necessary). Yes No N/A 8.13 QAS Specified Duplicate Equation Value within Control Limits. Yeş No N/A OK (RPE 8.14 LCS wit in Control Limits. Yeş No N/A 8.15 MLCS v. thin Control Limits. Yes No N/A No Matrix 3pikes (MLCS) found in Batch! 8.16 MS with 1 Control Limits. Yes No N/A No Matrix Spike Samples (MS) found in Batch! 8.17 Tracer vethin Control Limits. Yeş No N/A OK 8.18 Sample:: are above Minimum Tracer Yield (No Failed Samples) Yeş No N/A 8.19 Sample Specific MDC <= CRDL. Yeş/NoN/A OK 8.2 Commen s: 8.21 Result < Lc, Activity Not Detected, U Flag. Yes No N/A No Limit Specified! 8.22 Result < Mdc, Activity Not Detected, U Flag. Yes Noy N/A Batch Po: tive Result ≈> JPHGJ1A:> ALPHA 1.9E+00 L:1.7E+00 8.23 Result <:: Action Level, when Defined. No N/A OK; No F :tion Level Found => ALPHA OK; No Callin Level Found => ALPHA 8.24 Result + 3s >=0, Not Too Negative. No N/A 8.25 Counting Spectrum are within FWHM Limits. Yes No N/A No FWHM found in Batch Data! STL Richland QAS_RADCALCV4.8.26 STL_RICHLAND Page 1

8.26	Instruments have Current Calibrations.	Yes	No	N/A
	No Count Library found in Batch Data!	Yes		
8.28	Instrument Background within Limits at Time of Counting. (Not Applicable to this version. To be developed in later version	nk)s	No	N/A
8.29	Instrument Check Source within Limits at the Time of Counting. (Not Applicable to this version. To be developed in later version.)	V <b>ées</b> io	Di <b>Ma)</b> .	N/A
8.3 (	Comments:			
8.31	Results Blank Subtracted as Appropriate. OK	Yes	No	N/A

First Level Review STL Richland

Date 3/27/67



Data Review Checklist RADIOCHEMISTRY Second Level Review

OC Batch Number:	1050428
	WO 5/2/

Review Item	Yes (V)	No (V)	N/A (V)
A. Sample Analysis			1,122(1)
1. Are the sample yields within acceptance criteria?		]	
2. Is the sample Minimum Detectable Activity < the Contract			
Detection Limit?			.
3. Are the correct isotopes reported?			
B. QC Samples			
<ol> <li>Is the Minimum Detectable Activity for the blank result ≤ the</li> </ol>			
Contract Detection Limit?			1
2. Does the blank result meet the Contract criteria?			
3. Is the blank result < the Contract Detection Limit?	7		
4. Is the blank result > the Contract Detection Limit but the sample			-
result < the Contract Detection Limit?			
5. Is the LCS recovery with contract acceptance criteria?			
7. Is the LCS Minimum Detectable Activity ≤ the Contract Detection			-
Limit?			
8. Do the MS/MSD results and yields meet acceptance criteria?			1
9. Do the duplicate sample results and yields meet acceptance			<del></del>
criteria?	. /	1	1
C. Other			<del>-</del>
1. Are all Nonconformances included and noted?			
2. Are all required forms filled out?			+
3. Was the correct methodology used?			
4. Was transcription checked?		<b>†</b>	
5. Were all calculations checked at a minimum frequency?		1	
6. Were units checked?	<b>†</b>	<del></del>	

b. Were units checked?		$\angle$			
Comments on any "No" response:					
					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	71				·
			4.		
				The desired services and the services and the services are services are services and the services are serv	

Second Level Review

Date: 3-27-07

SEVERN Data Review/Verification Checklist STL TRENT 3/27/2007 3:44:45 PM RADIOCHEMISTRY, First Level Review Lot No., Dun Date: J7B150271,J7B150278,J7B150285; 03/30/2007 Client, Site: 384868; PGW 615HANFORD HANFORD QC Batch No., Method Test: 7050430; RBETA-SR Beta by GPC-Sr/Y SDG, Matrix: W05121; WATER 8.0 Correctio Calculation Protocol Used. Yeş No N/A 8.01 The App∴opriate Methods Were Used To Analyze the Samples OK Yeş No N/A 8.02 Final Results Are in the Appropriate Activity Units Yeş No N/A 8.03 Batch Contains the Required QC Appropriate for the Method No N/A 8.04 The Correct Tracer and QC Vials Where Used in the Samples Yeş No N/A 8.05 Sample was Appropriately Traced Before or After Fractionating the Sample Yeş No N/A 8.06 At Least the Minimum Sample Volume Was Used Analysis Volume => JPHFH1AC 174.20<200.00 Yes Noy N/A JPHHH1,AA 161.90<200.00 Q:VB 8.07 The Correct Count Geometry was Used. Yes No N/A 8.08 The Sai ple was Counted for the Minimum Count Time or CRDL was Achieved. Yeş No N/A 8.09 Method Blank is within Control Limits. OK No N/A 8.1 Commen 3: 8.11 Matrix Elank is within Control Limits. No Matrix 3lanks (MBlks) found in Batch! Yes No N/A 8.12 Method Blank(s) < QAS Limit Value (No B Flag Necessary). No N/A 8.13 QAS Specified Duplicate Equation Value within Control Limits. RPD > U(_: 20.0=> JPHGJ1AG BETA 22.0 Yes Nov N/A JPHGJ2: G BETA 24.0 (RPD) 8.14 LCS wit in Control Limits. No N/A OK 8.15 MLCS within Control Limits. No Matrix 3pikes (MLCS) found in Batcht Yes No N/A 8.16 MS with a Control Limits. No Matrix 3pike Samples (MS) found in Batch! Yes No N/A 8.17 Tracer vithin Control Limits. No N/A 8.18 Sample: are above Minimum Tracer Yield (No Failed Samples) Yeş No N/A 8.19 Sample Specific MDC <= CRDL. OK No N/A 8.2 Commen ;: 8.21 Result < Lc, Activity Not Detected, U Flag. No Limit 5 pecified! Yes No N/A 8.22 Result < Mdc, Activity Not Detected, U Flag. Batch Por tive Result => Yes No N/A JPHEX1A 3 BETA 9.1E+01 L:2.8E+00 JPHFA1 I.C BETA 2.8E+02 L:2.8E+00 JPHFH1:.C BETA 5.7E+01 L:3.1E+00 JPHFJ1/-C BETA 3.4E+02 L:2.8E+00 JPHGJ1 LD BETA 7.5E+00 L:2.8E+00 JPHHE1' A BETA 1.5E+01 L:2.9E+00 JPHHH1+A BETA 2.2E+03 L:3.1E+00 JPHGJ2: D BETA 8.3E+00 L:3.1E+00 STL Richland QAS_RADCALGv4.8.26

STL RICHLAND

8.23 Result <= Action Level, when Defined.	Yeş	No	N/A
OK; No Action Level Found => BETA	V		
OK; No Callin Level Found => BETA			
8.24 Result + 3s >=0, Not Too Negative.	Yes	No	N/A
OK .	V		
8.25 Counting Spectrum are within FWHM Limits.	Yes	No	N/A
No FWHM found in Batch Data!			
8.26 Instruments have Current Calibrations.	Yes	No	N/A
8.27 Correct Count Library Used.	Yes	No	N/A
No Count Library found in Batch Data!			V
8.28 Instrument Background within Limits at Time of Counting. (Not Applicable to this version. To be developed in later vi	ersion ڎ s	No	N/A
20 Instrument Charle Course within Limits at the Time of Counting (Alek Applicable to the course of the desired			
8.29 Instrument Check Source within Limits at the Time of Counting. (Not Applicable to this version. To be developed in I	ater views	oneo.	N/A
8.3 Comments: 1 (1) 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
8.3 Comments: (1) - 0.700 (9)			
8.31 Results Blank Subtracted as Appropriate.	Yea.	No	N/A
OK	J	NO	INM
			-

First Level Fleview



Data Review Checklist RADIOCHEMISTRY Second Level Review

705043c

Review Item	Yes (V)	No(V)	N/A (V)
A. Sample Analysis		<u> </u>	
1. Are the sample yields within acceptance criteria?			
2. Is the sample Minimum Detectable Activity < the Contract			
Detection Limit?			l
3. Are the correct isotopes reported?			
B. QC Samples			
 Is the Minimum Detectable Activity for the blank result ≤ the 			
Contract Detection Limit?			
2. Does the blank result meet the Contract criteria?			
3. Is the blank result < the Contract Detection Limit?	1		
4. Is the blank result > the Contract Detection Limit but the sample			1
result < the Contract Detection Limit?			
5. Is the LCS recovery with contract acceptance criteria?			
7. Is the LCS Minimum Detectable Activity ≤ the Contract Detection			
Limit?			
8. Do the MS/MSD results and yields meet acceptance criteria?			
9. Do the duplicate sample results and yields meet acceptance			
criteria?			
C. Other			l :
1. Are all Nonconformances included and noted?			
2. Are all required forms filled out?			
3. Was the correct methodology used?			-

Second Level Review Hesseyl a alam Date: 3-29-07

4. Was transcription checked?

6. Were units checked?

5. Were all calculations checked at a minimum frequency?

Clouseau **Nonconformance Memo**



NCM #: 10-09648

NCM Initiated By: Lisa Antonson Date Opened: 03/27/2007

Date Closed:

Classification: Anomaly

Status: GLREVIEW

Production Area: Environmental - Prep

Tests: Beta by GPC-Sr/Y

Lot #'s (Sample #'s): J7B150271 (1,2,3,4),

J7B150278 (1), J7B150285

(1,2,3), J7B190000 (430),

QC Batches: 7050430

Nonconformance: Other (describe in detail) Subcategory: Other (explanation required)

Problem Description / Root Cause

Name Lisa Antonson

Date 03/27/2007 Description

1. The dups were out on the first count of this Beta batch. A recount brought them

within acceptance limits.

2. The blank for this sample is above 1/2 the CRDL at 2.42. All samples except

JPHHN1AA have results that exceed the CRDL, data accepted.

Corrective Action

Name

Date

Corrective Action

Lisa Antonson

03/27/2007

Will monitor blank results.

Client Notification Summary

Client

Project Manager

Notified

Response How Notified

Note

Response

Response Note

Quality Assurance Verification

Verified By

Due Date

Status

Notes

This section not yet completed by QA.

Approval History

Date Approved

Approved By

Position

Date Printed: 3/27/2007

Page 1 of 1

SIL

Data Review/Verification Checklist RADIOCHEMISTRY, First Level Review

3/14/2007 8:15:53 AM

Yeş No N/A

Yeş No N/A

N/A

No N/A

No N/A

No N/A

Yes No N/A

Yes No N/A

Yeş No N/A

Yeş∀NoN/A

Yeş No N/A

No N/A

No N/A

No N/A

No N/A

Yes No N/A

Yeş No N/A

Yeş No N/A

No N/A

No N/A

No N/A

Yeş

Yeş

Yeş

Yeş No

Yeş

Yeş

Yes

Lot No., Due Date:

J7B130298; 03/29/2007

Client, Site:

384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 7050426; RSR85907 Sr-85/90 by GPC-7

SDG. Matrix:

W05121; WATER

1.0 COC

1.1 Is the ICOC page complete; includes all applicable analysis, dates, SOP numbers, and revisions?

2.0 QC Batch

- 2.1 Do the Summary/Detailed Reports include a calculated result for each sample listed on the QC Batch Sheet?
- 2.2 Are the QC appropriate for the analysis included in the batch?
- 2.3 Is the Analytical Batch Worksheet complete; includes as appropriate, volumes, count times, etc?
- 2.4 Does the Worksheets include a Tracer Vial label for each sample?

3.0 QC & Samples

- 3.1 is the blank results, yield, and MDA within contract limits?
- 3 2 Is the LCS result, yield, and MDA within contract limits?
- 3.3 Are the MS/MSD results, yields, and MDA within contract limits?
- 3.4 Are the duplicate result, yields, and MDAs within contract limits?
- 3.5 Are the sample yields and MDAs within contract limits?

4.0 Raw Data

- 4.1 Were results calculated in the correct units?
- 4.2 Were analysis volumes entered correctly?
- 4.3 Were Yields entered correctly?
- 4.4 Were spectra reviewed/meet contractual requirements?
- 4.5 Were raw counts reviewed for anomalies?

5.0 Other

- 5.1 Are all nonconformances included and noted?
- 5.2 Are all required forms filled out?
- 5.3 Was the correct methodology used?
- 5.4 Was transcription checked?
- 5.5 Were all calculations checked at a minimum frequency?
- 5.6 Are worksheet entries complete and correct?
- 6.0 Comments on any No response:

Date 3-14-07

STL Richland

QAS_RADCALCv4.8.26

First Level Review

STL RICHLAND

Page 1



Data Review Checklist
RADIOCHEMISTRY
Second Level Review

Review Item	Yes (V)	No(V)	137/1/1/
A. Sample Analysis	105(4)	140(1)	N/A (V)
1. Are the sample yields within acceptance criteria?			
1. Is the sample Minimum Detectable Activity < the Contract	+		
Detection Limit?			
3. Are the correct isotopes reported?	+		
B. QC Samples	-		
1. Is the Minimum Detectable Activity for the blank result ≤ the			
Conduct Detection Limit?		Ì	
2. Does the blank result meet the Contract criteria?			
3. Is the blank result < the Contract Detection Limit?			-
4. Is the blank result > the Contract Detection Limit but the sample	 		
esuit \ me Contract Detection Limit?			
5. Is the LCS recovery with contract acceptance criteria?			-
1. Is the LCS Minimum Detectable Activity < the Contract Detection			
Zumi?			
3. Do the MS/MSD results and yields meet acceptance criteria?		1	
. Do the duplicate sample results and yields meet acceptance			-
niena?			
C. Other	1	1	
. Are all Nonconformances included and noted?			
. Are all required forms filled out?			
. Was the correct methodology used?			
. Was transcription checked?			
. Were all calculations checked at a minimum frequency?			
. Were units checked?			
C	<u> </u>		
Comments on any "No" response:			

Second Level Review Thirtyl Q Colon Date: 9-14-07

SIVE STL

Data Review/Verification Checklist RADIOCHEMISTRY, First Level Review

3/19/2007 3:50:50 PM

Lot No., Due Date:

J7B120175,J7B130298,J7B150271,J7B180101; 03/26/2007,03/29/2007,03/30/2007,04/02/2007

Client, Site:

384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 7050420; RGAMMA Gamma by GER

s	DG, Matrix: W05121; WATER				
	OCC Is the ICOC page complete; includes all applicable analysis, dates, SOP numbers, and revisions?	Y	eş	No	N/A
	OC Batch Do the Summary/Detailed Reports include a calculated result for each sample listed on the QC Batch Sheet?	Y	es	No	N/A
2.2	Are the QC appropriate for the analysis included in the batch?	4	4		N/A
2.3	Is the Analytical Batch Worksheet complete; includes as appropriate, volumes, count times, etc?	4			N/A
	Does the Worksheets include a Tracer Vial label for each sample?	4	1		N/A
3. 0	QC & Samples is the blank results, yield, and MDA within contract limits?				N/A
3.2	Is the LCS result, yield, and MDA within contract limits?	•			
	Are the MS/MSD results, yields, and MDA within contract limits?	•	1		N/A
	Are the duplicate result, yields, and MDAs within contract limits?	Ye) S	No	N/A
	Are the sample yields and MDAs within contract limits?	V			N/A
	Raw Data	Y€	9 1	Мо	N/A
	Were results calculated in the correct units?	Υe	9	No	N/A
4.2	Were analysis volumes entered correctly?	∵ Ye	∦ egrl	No	N/A
4.3	Were Yields entered correctly?	V	/	No	
4.4	Were spectra reviewed/meet contractual requirements?			No	V
4.5	Were raw counts reviewed for anomalies?	M	/		
	Other Are all nonconformances included and noted?	Y	•	VO.	
	Are all required forms filled out?			No 1	V
1	Was the correct methodology used?	Ye	<i>§</i> N	io I	N/A
	Was transcription checked?	Ye.	y N	10	N/A
	Were all calculations checked at a minimum frequency?	Ye:	N N	1 0	N/A
		Ye	y N	1 0	A/A
	Are worksheet entries complete and correct?	Ye	y N	lo 1	A/k
0.0	Comments on any No response:	4			

First Level Review

Date 3-19.07

QAS_RADCALCv4.8.26

STL Richland

STL RICHLAND

Page 1



Data Review Checklist RADIOCHEMISTRY Second Level Review

Review Item	Yes (V)	No(V)	N/A(V)
A. Sample Analysis	1		1 22(1)
. Are the sample yields within acceptance criteria?			
2. Is the sample Minimum Detectable Activity < the Contract			
Detection Limit?			.
. Are the correct isotopes reported?			
3. QC Samples			
1. Is the Minimum Detectable Activity for the blank result ≤ the			1
Contract Detection Limit?			
2. Does the blank result meet the Contract criteria?			
3. Is the blank result < the Contract Detection Limit?			
I. Is the blank result > the Contract Detection Limit but the sample			
esult < the Contract Detection Limit?			
. Is the LCS recovery with contract acceptance criteria?			
7. Is the LCS Minimum Detectable Activity ≤ the Contract Detection	1		
imit?			
. Do the MS/MSD results and yields meet acceptance criteria?			/
Do the duplicate sample results and yields meet acceptance criteria?			
C. Other			
Are all Nonconformances included and noted?			
2. Are all required forms filled out?			/
B. Was the correct methodology used?	1		
4. Was transcription checked?			
b. Were all calculations checked at a minimum frequency?	-		
Were units checked?	-		
, IL CIT OTHER CHEEKEN;			-

Second Level Review Therry all allows Date: 5

SEVERN STL

Data Review/Verification Checklist RADIOCHEMISTRY, First Level Review

3/19/2007 1:50:57 PM

Lot No., Due Date:

J7B130298; 03/29/2007

Client, Site:

384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 7050424; RGAMLEPS Gamma by LEPS

SDG, Matrix:

W05121; WATER

7	U,	Ę	;OI	
				_

1.1 Is the ICCC page complete; includes all applicable analysis, dates, SOP numbers, and revisions?

Yeşy No N/A

2.0 QC Batch
2.1 Do the Summary/Detailed Reports include a calculated result for each sample listed on the QC Batch Sheet?

4.5% Yeş No N/A

2.2 Are the C C appropriate for the analysis included in the batch?

Yeş/No N/A

2.3 Is the An lytical Batch Worksheet complete; includes as appropriate, volumes, count times, etc?

Yeş No N/A

2.4 Does the Norksheets include a Tracer Vial label for each sample?

Yeş No N/A

3.0 QC & Samples

3.1 Is the blank results, yield, and MDA within contract limits?

(基础)。 化二氯甲基 No N/A

3.2 Is the LC∃ result, yield, and MDA within contract limits?

No N/A

3.3 Are the N S/MSD results, yields, and MDA within contract limits?

Yes No N/Ax

3.4 Are the deplicate result, yields, and MDAs within contract limits?

Yeş No N/A

3.5 Are the sample yields and MDAs within contract limits?

Yeş/NoN/A

4.0 Raw Dala

4.1 Were results calculated in the correct units?

Yeş No N/A

4.2 Were analysis volumes entered correctly?

Yeş No N/A Yes No N/Ax

4.3 Were Yields entered correctly?

No N/A

4.4 Were spectra reviewed/meet contractual requirements?

Yeş No N/A

4.5 Were raw counts reviewed for anomalies?

Yes No N/A

5.1 Are all nonconformances included and noted?

No N/A Yeş∀NoN/A

5.2 Are all required forms filled out? 5.3 Was the correct methodology used?

Yeş No N/A

5.4 Was tran : cription checked?

No N/A

5.5 Were all calculations checked at a minimum frequency?

No N/A

5.6 Are worksheet entries complete and correct?

6.0 Comments on any No response:

First Level Eleview STL Richland

QAS_RADCALCv4.8.26

Page 1



Data Review Checklist
RADIOCHEMISTRY
Second Level Review

OC Batch Number:	7050424
	W05121

Review Item	Yes (V)	No (V)	N/A(V)
A. Sample Analysis		12.0(1)	11/12 (4)
1. Are the sample yields within acceptance criteria?			
2. Is the sample Minimum Detectable Activity < the Contract			
Detection Limit?			
3. Are the correct isotopes reported?		-	
B. QC Samples			
1. Is the Minimum Detectable Activity for the blank result ≤ the			· ·
Contract Detection Limit?			1
2. Does the blank result meet the Contract criteria?			
3. Is the blank result < the Contract Detection Limit?			
4. Is the blank result > the Contract Detection Limit but the sample	·		
result < the Contract Detection Limit?			
5. Is the LCS recovery with contract acceptance criteria?		 	-
7. Is the LCS Minimum Detectable Activity ≤ the Contract Detection	 		
Limit?	-		Į.
8. Do the MS/MSD results and yields meet acceptance criteria?			
9. Do the duplicate sample results and yields meet acceptance		 	
criteria?			
C. Other			
1. Are all Nonconformances included and noted?			
2. Are all required forms filled out?			
3. Was the correct methodology used?	1	-	
4. Was transcription checked?			
5. Were all calculations checked at a minimum frequency?	-		
6. Were units checked?	-		

The state of the s	1 / 1	· · · · · · · · · · · · · · · · · · ·	1
3. Was the correct methodology used?			
4. Was transcription checked?			
5. Were all calculations checked at a minimum frequency?			
6. Were units checked?	+		
Comments on any "No" response:			
			National Applications of the Control
		and the state of t	
Second Level Review. Therryl a Class	m	Date: J-Ko	-07
1			

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STL RICHLAND

Data Review/Verification Checklist RADIOCHEMISTRY. First Level Review

3/5/2007 3:40:04 PM

RADIOCHEMISTRY, First Level Review Lot No., Due Date: J7B120175,J7B130255,J7B130298,J7B150271,J7B150278; 03/26/2007,03/29/2007,03/30/2007 Client, Site: 384868; QC Batch No., Method Test: 7050408; RTC99 Tc-99 by LSC SDG. Matrix: 8.0 Correction Calculation Protocol Used. Yes No N/A 8.01 The Appropriate Methods Were Used To Analyze the Samples Yes No N/A 8.02 Final Results Are in the Appropriate Activity Units Yes No N/A 8.03 Batch Contains the Required QC Appropriate for the Mathod No N/A Yes OK 8.04 The Correct Tracer and QC Vials Where Used in the Samples Yes No N/A Incorrect Tracer/Vial => JPAPR1AD TCSG<>TCSE Q:V9 8.05 Sample was Appropriately Traced Before or After Fractionating the Sample Yes No N/A 8.06 At Least the Minimum Sample Volume Was Used No N/A OK 8.07 The Correct Count Geometry was Used. Yes Noy N/A Count Ge: metry => JPNH31AD SVP15/5<>TEVA JPAPP1AC SVP15/5<>TEVA JPAPP1AF SVP15/5<>TEVA JPAPR1AC SVP15/5<>TEVA JPAPR1AD SVP15/5<>TEVA JPAPR1AD SVP15/5<>TEVA JPAP21...C SVP15/5<>TEVA JPAP51AC SVP15/5<>TEVA JPDCV1AC SVP15/5<>TEVA JPDMW | AE SVP15/5<>TEVA JPDM31AE SVP15/5<>TEVA JPHEX11/E SVP15/5<>TEVA JPHFA11E SVP15/5<>TEVA JPNH311/E SVP15/5<>TEVA JPHFH1/LE SVP15/5<>TEVA JPHFJ1/1E SVP15/5<>TEVA JPHGJ11/E SVP15/5<>TEVA JPNH31. A SVP15/5<>TEVA JPNH31.LC SVP15/5<>TEVA Q:VC 8.08 The San ple was Counted for the Minimum Count Time or CRDL was Achieved. No N/A 8.09 Method Blank is within Control Limits. No N/A OK 8.1 Comments: 8.11 Matrix B ank is within Control Limits. Yes No N/A No Matrix Blanks (MBlks) found in Batch! 8.12 Method Blank(s) < QAS Limit Value (No B Flag Necessary). Yes/No N/A 8.13 QAS Specified Duplicate Equation Value within Control Limits. No N/A OK (RPD) 8.14 LCS within Control Limits. No N/A OK 8.15 MLCS w thin Control Limits. Yes No N/A No Matrix Spikes (MLCS) found in Batch! 8.16 MS within Control Limits. Yes No N/A OK 8.17 Tracer within Control Limits. Yes No N/A No Tracers found in Batch! 8.18 Samples are above Minimum Tracer Yield (No Failed Samples) Yes No N/A No Tracer: found in Batch! 8.19 Sample Specific MDC <= CRDL. Yes No N/A STL Richland Page 1 QAS_RADCALC 14.8.26

8.2 Comments:				arcumana.
8.21 Result < Lc, Activity Not Detected, U Flag. No Limit Specified!	Ye	3 5	No	NIA
8.22 Result < Mdc, Activity Not Detected, U Flag. No Positive Results OK Calc IDL Not Calculated	Ye	7	No	N/A
8.23 Result <= Action Level, when Defined. OK; No Action Level Found => TC-99	Ye	7	No	N/A
OK; No Callin Level Found => TC-99 8.24 Result + 3s >=0, Not Too Negative.	Ye	9/	No	N/A
OK 8.25 Counting Spectrum are within FWHM Limits.	<u> </u>		 	k I / A /
No FWHM found in Batch Data!	**	95	NO	NIA
8.26 Instruments have Current Calibrations.	Ye	S	No	N/A
8.27 Correct Count Library Used. No Count Library found in Batch Data!	Ye	es	No	NA
8.28 Instrument Background within Limits at Time o	f Counting. (Not Applicable to this version. To be developed in later versions	5	No	N/A
8.29 Instrument Check Source within Limits at the T	ime of Counting. (Not Applicable to this version. To be developed in later we	sion	Ma).	N/A
8.3 Comments:	· · · · · · · · · · · · · · · · · · ·			
			No	41

First Level Review

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Date

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STL Richland

QAS_RADCALCV4.8.26 STL RICHLAND Page 2



Data Review Checklist RADIOCHEMISTRY Second Level Review

OC Batch Number: 7050403		•	
W65127 .			
Review Item	Yes (√)	No (V)	$N/A(\sqrt{)}$
A. Sample Analysis			
1. Are the sample yields within acceptance criteria?			
2. Is the sample Minimum Detectable Activity < the Contract			
Detection Limit?			
3. Are the correct isotopes reported?			
B. QC Samples			
1. Is the Minimum Detectable Activity for the blank result ≤ the			
Contract Detection Limit?			
2. Does the blank result meet the Contract criteria?			
3. Is the blank result < the Contract Detection Limit?			
4, Is the blank result > the Contract Detection Limit but the sample			
result < the Contract Detection Limit?			
5. Is the LCS recovery with contract acceptance criteria?			
7. Is the LCS Minimum Detectable Activity ≤ the Contract Detection			
Limit?			
8. Do the MS/MSD results and yields meet acceptance criteria?			
9. Do the duplicate sample results and yields meet acceptance			
criteria?			
C. Other			
1. Are all Nonconformances included and noted?			
2. Are all required forms filled out?			
3. Was the correct methodology used?			
4. Was transcription checked?			
5. Were all calculations checked at a minimum frequency?			
6. Were units checked?			· ·

Second Level Review: Sherryl a Rollan Date: 5-5-07

STEE STL

Data Review/Verification Checklist RADIOCHEMISTRY, First Level Review

3/9/2007 11:56:02 AM

Lot No., Due Date: Client, Site:

J7B180101; 04/02/2007

384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 7050405; RTC99 Tc-99 by LSC

SDG, Matrix: W05121; WATER

8.0 Correction Calculation Protocol Used. OK	Yes No N/A
8.01 The Appropriate Methods Were Used To Analyze the Samples OK	Yea No N/A
8.02 Final Results Are in the Appropriate Activity Units OK	Yea No N/A
8.03 Batch Contains the Required QC Appropriate for the Method OK	Yes No N/A
8.04 The Correct Tracer and QC Vials Where Used in the Samples Incorrect Tracer/Vial => JPMDH1AE TCSG<>TCSE Q:V9	Yes No N/A
8.05 Sample was Appropriately Traced Before or After Fractionating the Sample OK	Yea No N/A
8.06 At Least the Minimum Sample Volume Was Used OK	Yea No N/A
8.07 The Correct Count Geometry was Used. OK	Yes No N/A
8.08 The Sample was Counted for the Minimum Count Time or CRDL was Achieved. OK	Yes No N/A
8.09 Method Blank is within Control Limits. OK	Yes No N/A
8.1 Comments:	*
8.11 Matrix Blank is within Control Limits. No Matrix Blanks (MBlks) found in Batch!	Yes No N/A
8.12 Method Blank(s) < QAS Limit Value (No B Flag Necessary). OK	Yes No N/A
18.13 QAS Specified Duplicate Equation Value within Control Limits. OK (RPD)	Yes No N/A
8.14 LCS within Control Limits. OK	Yes No N/A
8.15 MLCS within Control Limits. No Matrix Spikes (MLCS) found in Batch!	Yes No N/A
8.16 MS within Control Limits.	Yes No N/A
8 17 Tracer within Control Limits. No Tracers found in Batch!	Yes No N/A
8.18 Samples are above Minimum Tracer Yield (No Failed Samples) No Tracers found in Batch!	Yes No N/A
8.19 Sample Specific MDC <= CRDL. OK	Yes No N/A
8.2 Comments:	*
8.21 Result < Lc, Activity Not Detected, U Flag. No Limit Specified!	Yes No N/A
8.22 Result < Mdc, Activity Not Detected, U Flag. No Positive Results	Yes No N/A
OK Calc_IDL Not Calculated 8.23 Result <= Action Level, when Defined.	Yeş No N/A
OK; No Action Level Found => TC-99	V
OK; No Callin Level Found => TC-99 8.24 Result + 3s >=0, Not Too Negative.	Yes No N/A
OK 8.25 Counting Spectrum are within FWHM Limits.	Yes No N/A
No FWHM found in Batch Data!	V

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OAS RADCALCV4.8.26 STL RICHLAND Page 1

8.	26 Instruments have Current Calibrations.	Yes	No	N/A
Mark Control	No Count Library found in Batch Data!	Yes		1
- 1	28 Instrument Background within Limits at Time of Counting. (Not Applicable to this version. To be developed in later version			
8.	29 Instrument Check Source within Limits at the Time of Counting. (Not Applicable to this version. To be developed in later v	Néess io	Ne∳.	N/A
8.	3 Comments:			
8.	31 Results Blank Subtracted as Appropriate. OK	Yeş	No	N/A
1				
				i
Fi	rst Level Review Pam Judersn Date 3-9-07			į
ST	. R:chland	age 2		
OA ST	O_TINDOALOV4.0.20	~90 Z		-73



Data Review Checklist RADIOCHEMISTRY Second Level Review

OC Batch Number:	1050405	
· ,	W05121	• .

A. Sample Analysis 1. Are the sample yields within acceptance criteria? 2. Is the sample Minimum Detectable Activity < the Contract Detection Limit? 3. Are the correct isotopes reported?	Yes (V)	No (1)	N/A(V)
 Is the sample Minimum Detectable Activity < the Contract Detection Limit? 			1
 Is the sample Minimum Detectable Activity < the Contract Detection Limit? 			
Detection Limit?		 	
? Are the correct instance - 10			
		1	
B. QC Samples			-
1. Is the Minimum Detectable Activity for the blank result ≤ the			
Contract Detection Limit?			
2. Does the blank result meet the Contract criteria?			
 Is the blank result < the Contract Detection Limit? 	1 / .		
4. Is the blank result > the Contract Detection Limit but the sample	1		
result < the Contract Detection Limit?			
5. Is the LCS recovery with contract acceptance criteria?			
7. Is the LCS Minimum Detectable Activity ≤ the Contract Detection			
Limit?			Í
8. Do the MS/MSD results and yields meet acceptance criteria?			+
9. Do the duplicate sample results and yields meet acceptance			
criteria?			
C. Other		-	
1. Are all Nonconformances included and noted?			
2. Are all required forms filled out?			
3. Was the correct methodology used?			
4. Was transcription checked?	 	 	
5. Were all calculations checked at a minimum frequency?		 	
6. Were units checked?	1		<u> </u>

Second Level Review. Sherry a Colom. Date: 5-15-67

Data Review/Verification Checklist SEVERN STL 3/14/2007 1:02:21 PM TRENT RADIOCHEMISTRY, First Level Review Lot No., Due Date: J7B120175,J7B130255,J7B130298,J7B150278,J7B180101; Client. Site: 384868; PGW 615HANFORD HANFORD QC Batch No., Method Test: 7050417; RTRITIUM H-3 by LSC SDG, Matrix: W05121; WATER 8.0 Correction Calculation Protocol Used. No N/A 8.01 The Appropriate Methods Were Used To Analyze the Samples No N/A 8.02 Final Results Are in the Appropriate Activity Units No N/A 8.03 Batch Contains the Required QC Appropriate for the Method No N/A 8.04 The Correct Tracer and QC Vials Where Used in the Samples Yeş No N/A 8.05 Sample was Appropriately Traced Before or After Fractionating the Sample No N/A 8.06 At Least the Minimum Sample Volume Was Used No N/A Analysis \colume => JPAPR1AA 5.00<10.00 JPAP21 \A 5.00<10.00 JPAP51 1A 5.00<10.00 JPDCV1,\A 5.00<10.00 JPDMW AA 5.00<10.00 JPDM31,\A 5.00<10.00 JPHGJ1 (A 5.00<10.00 JPMDH: 4A 5.00<10.00 JPMDJ1 \A 5.00<10.00 Q:VB 8.07 The Correct Count Geometry was Used. Yes No N/A Count Ge: metry => JPNH51AF SVP15/5<>SVP10/10 JPNH511/1G SVP15/5<>SVP10/10 JPNH51 (A SVP15/5<>SVP10/10 JPNH511.C SVP15/5<>SVP10/10 0k AL 3/14/07 JPAPR1+\A SVP15/5<>SVP10/10 JPAP21: A SVP15/5<>SVP10/10 JPAP51: A SVP15/5<>SVP10/10 JPDCV1.\A SVP15/5<>SVP10/10 JPDCV1.\D \$VP15/5<>\$VP10/10 JPDMW : AA SVP15/5<>SVP10/10 JPDM31-\A SVP15/5<>SVP10/10 JPHGJ1: A SVP15/5<>SVP10/10 JPNH51',H SVP15/5<>SVP10/10 JPNH51 \D SVP15/5<>SVP10/10 JPNH51:\E SVP15/5<>SVP10/10 JPMDH1.AA SVP15/5<>SVP10/10 JPMDJ1/\A SVP15/5<>SVP10/10 Q:VC 8.08 The Saraple was Counted for the Minimum Count Time or CRDL was Achieved. No N/A 8.09 Method Blank is within Control Limits. No N/A OK 8.1 Comments: 8.11 Matrix B ank is within Control Limits. No N/A 8.12 Method Blank(s) < QAS Limit Value (No B Flag Necessary). No N/A 8.13 QAS Specified Duplicate Equation Value within Control Limits. Yea No N/A OK (RPD) 8.14 LCS within Control Limits. Yeş No N/A OK 8.15 MLCS within Control Limits. No N/A OK

Yes No N/A

Yes No N/A

Page 1

8.16 MS within Control Limits.

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QAS_RADCAL(:v4.8.26 STL RICHLAND

8.17 Tracer v. thin Control Limits.

No Tracer: found in Batch!

No Matrix Spike Samples (MS) found in Batch!

8 Samples are above Minimum Tracer Yield (No Failed Samples)	Yes	No	N/A
No Tracers found in Batch!			V
9 Sample Specific MDC <= CRDL.	Yeş	No	N/A
OK	V		
Comments:			
1 Result < Lc, Activity Not Detected, U Flag.	Vne	Ma	N/A
No Limit Specified!	163	NO	
2 Result < Mdc, Activity Not Detected, U Flag.	Yes	No	N/A
No Positive Results	V		
OK Calc_IDL Not Calculated			
3 Result <= Action Level, when Defined.	Yeş	No	N/A
OK; No Action Level Found => H-3	V		
OK; No Callin Level Found => H-3			
4 Result + 3s >=0, Not Too Negative.	Yes	No	N/A
OK .	V		
5 Counting Spectrum are within FWHM Limits.	Yes	No	N/A
No FWHM found in Batch Data!			W
6 Instruments have Current Calibrations.	Yes	No	N/A
7 Correct Count Library Used.	Vae	No	NI/A
No Count Library found in Batch Data!	103	140	J
8 Instrument Background within Limits at Time of Counting. (Not Applicable to this version. To be developed in later ver	rsion 🗞 s	No	N/A
9 Instrument Check Source within Limits at the Time of Counting. (Not Applicable to this version. To be developed in la	ter Meesid	on Neò .	N/A
Comments:			
4. Decults Disch Outstand on Assessed to Assessed to 1975	Var	No	N/A
1 Results Blank Subtracted as Appropriate.			

First Level Review

OAS_RADCALCV4.8.26 STL_RICHLAND Data 3/14/0

Page 2

7



Data Review Checklist RADIOCHEMISTRY Second Level Review

Review Item	Yes (√)	No(V)	N/A(V)
A. Sample Analysis	103(1)	140(1)	INA(Y)
1. Are the sample yields within acceptance criteria?			
2. Is the sample Minimum Detectable Activity < the Contract			
Detection Limit?			
3. Are the correct isotopes reported?			
B. QC Samples	 		
 Is the Minimum Detectable Activity for the blank result ≤ the 			1
Contract Detection Limit?			
2. Does the blank result meet the Contract criteria?	//		
3. Is the blank result < the Contract Detection Limit?			
4. Is the blank result > the Contract Detection Limit but the sample			
result < the Contract Detection Limit?			
5. Is the LCS recovery with contract acceptance criteria?			
7. Is the LCS Minimum Detectable Activity ≤ the Contract Detection	21		
Limit?			
8. Do the MS/MSD results and yields meet acceptance criteria?			
9. Do the duplicate sample results and yields meet acceptance			
entena? C. Other			
1. Are all Nonconformances included and noted?			
2. Are all required forms filled out?			
3. Was the correct methodology used? 4. Was transcription checked?			
Were all calculations checked at a minimum frequency? Were units checked?			
J. H CIC UMB CHECKEU!			
Comments on any "No" response:			

		,	

Data Review/Verification Checklist RADIOCHEMISTRY, First Level Review

3/21/2007 9:26:25 AM

Page 1

Lot No., Due Date:

J7B120175,J7B130298,J7B150278,J7B180101; 03/26/2007,03/29/2007,03/30/2007,04/02/2007

Client, Site:

384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 7050402; RUNAT UNat by KPA

SDG, Matrix:

STL Richland

QAS_RADCALCv4.8.26 STL RICHLAND W05121; WATER

, , , , , , , , , , , , , , , , , , , ,			
8.0 Correction Calculation Protocol Used. OK	Yes	No	N/A
8.01 The Appropriate Methods Were Used To Analyze the Samples	Yeş	No	N/A
OK	V		
8.02 Final Results Are in the Appropriate Activity Units OK	Yes	No	N/A
8.03 Batch Contains the Required QC Appropriate for the Method	₩ Yea	No	N/A
ОК	, and the second	.,,	11/7
8.04 The Correct Tracer and QC Vials Where Used in the Samples	Yes	Ng/	N/A
Incorrect Tracer/Vial => JPNH01AD UNSC<>UNSF Q:V9 8.05 Sample was Appropriately Traced Before or After Fractionating the Sample	V	V	3.1 (8
OK	Yes	IVO	N/A
8.06 At Least the Minimum Sample Volume Was Used	Yes	No	N/A
No Count Analysis Size found in Batch Data!			V
8.07 The Correct Count Geometry was Used.	Yes	No	N/A
No Count Geometry found in Batch Data! 8.08 The Sample was Counted for the Minimum Count Time or CRDL was Achieved.	Voc	Ma	₩ NI/A:
No Count Duration Field Found in Batch Data!	Yes	NO	N/A
8.09 Method Blank is within Control Limits.	Yeş	No	N/A
OK Commands	V		
8.1 Comments:			
8.11 Matrix Blank is within Control Limits.	Yes	No	N/A
No Matrix Blanks (MBlks) found in Batch!			V
8.12 Method Blank(s) < QAS Limit Value (No B Flag Necessary).	Yeş	No	N/A
OK 8.13 QAS Specified Duplicate Equation Value within Control Limits,	V.	R.L	B 2 (B
OK (RPD)	Yes	NO	N/A
8.14 LCS within Control Limits.	Yeş	No	N/A
OK OK	V		/
8.15 MLCS within Control Limits.	Yes	No	N/A
No Matrix Spikes (MLCS) found in Batch! 8.16 MS within Control Limits,	¥		V
OK	Yes	NO	N/A
8.17 Tracer within Control Limits.	Yes	No	N/A
No Tracers found in Batch!			V
8.18 Samples are above Minimum Tracer Yield (No Failed Samples)	Yes	No	N/A
No Tracers found in Batch! 8.19 Sample Specific MDC <= CRDL.	Vor	Na	NI/A
OK	Yes	140	IN/A
8.2 Comments:	¥		
9.21 Paguit alia Astivity Not Detected U.Flag			
8.21 Result < Lc, Activity Not Detected, U Flag. No Limit Specified!	Yes	No	N/A
8.22 Result < Mdc, Activity Not Detected, U Flag.	Yes	Nov	N/A
Batch Positive Result =>		V	
JPAPP1AD Uranium 2.5E+02 L:7.7E-02 JPDM31AF Uranium 8.7E+00 L:8.4E-02			
JPDMW1AF Uranium 9.0E+00 L:8.3E-02			
JPHGJ1AF Uranium 6.1E+00 L:8.4E-02 JPMDH1AD Uranium 6.1E+00 L:8.1E-02			
JPMDJ1AD Uranium 6.2E+00 L:8.3E-02			
8.23 Result <= Action Level, when Defined.	Yeş	No	N/A
OK; No Action Level Found => Uranium	V		
OK; No Callin Level Found => Uranium			

	Control of the contro		
8.24 Result + 3s >=0, Not Too Negative.	Yeş	No	N/A
OK 8.25 Counting Spectrum are within FWHM Limits.	∀ Yes	No	N/A
No FWHM found in Batch Data! 8.26 Instruments have Current Calibrations.	Yes		\checkmark
8.27 Correct Count Library Used. No Count Library found in Batch Data!	Yes		V
8.28 Instrument Background within Limits at Time of Counting. (Not Applicable to this version. To be develo	ped in later versionses	No	N/A
8.29 Instrument Check Source within Limits at the Time of Counting. (Not Applicable to this version. To be of	leveloped in later Wesic	n ikio .	N/A
8.3 Comments:			
8.31 Results Blank Subtracted as Appropriate.	Yeş	No	N/A
OK OK	V		
First Level Review Pan Onduson Date 3	_		
First Level Review Yand Chickuson Date 3	21.07		

STL Richland

QAS_RADCALCV4.8.26 STL_RICHLAND Page 2

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Data Review Checklist
RADIOCHEMISTRY
Second Level Review

OC Batch Number:	7050402
•	W85121

Review Item	Yes (V)	No (V)	N/A(V)
A. Sample Analysis			+
1. Are the sample yields within acceptance criteria?		-	
2. Is the sample Minimum Detectable Activity < the Contract			
Detection Limit?			-
3. Are the correct isotopes reported?			
B. QC Samples			
 Is the Minimum Detectable Activity for the blank result ≤ the 			
Contract Detection Limit?			
2. Does the blank result meet the Contract criteria?			
3. Is the blank result < the Contract Detection Limit?	1 7.	1	
4, Is the blank result > the Contract Detection Limit but the sample			
result < the Contract Detection Limit?			
5. Is the LCS recovery with contract acceptance criteria?			
7. Is the LCS Minimum Detectable Activity ≤ the Contract Detection		1	
Limit?			
8. Do the MS/MSD results and yields meet acceptance criteria?			+
9. Do the duplicate sample results and yields meet acceptance	<u> </u>		1
criteria?			
C. Other	<u> </u>		
1. Are all Nonconformances included and noted?	ļ		
2. Are all required forms filled out?		-	
3. Was the correct methodology used?	1		
4. Was transcription checked?		 	
5. Were all calculations checked at a minimum frequency?			
6. Were units checked?	1	+	

4. Was transcription checked?			- 1 .
5. Were all calculations checked at a minimum frequency?			
6. Were units checked?			\dashv
Comments on any "No" response:			
			Harris

			The second secon

Second Level Review Market (1)		7	

	しかめた	とか	STARTA COOLAI		CHAIN OF C	F CUSTODY/SAMPLE ANALYSIS REQUEST	EQUEST	0C-700-/0A	0C-72
Maria Mue	0	03.76.07						Page 1 of	1
GCollector 1059	(See	ARRIGAR			Contact/Regu	ester	Telephone No. 509-376-5056	MSIN FAX	
SAF No. W07-002					Samplin	gin	Purchase Order/Charge Code	qe	
Project Title RCRA FEBRITARY 2007	Y 2007				1	1-925-11-	Ice Chest Ng 4105 -109	g Temp.	
Shinned To (Lab) Severn Trent Incorporated, Richland	norated. Ric	hland			Method	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No.		
Protocol		-			aleman de la constantina della	Priority: 45 Days	Offsite Property No.		
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)	E HAZARI active Materia r 5400.5 (1990	S/REMAF l at concentra 2/1993)	CKS ations that an	e not regulate	ed for transportation per	SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes 🗹 No Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days. WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.	Time Tota Submitted under A, G, I, S, and V into one SDG, daily closure.	al Activity Exemption: Yes L W 07 SAFs into one SDG, not to o	No No
Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis		Preservative	, e
B1M870		W D	1260	SED-1	1x20-mL P	Activity Scan	None	Manuscriptus de la company	
B1M870		W		-	1x500-mL G/P		HNO3 to pH <2	H <2	
B1M870		≫			1x4000-mL G/P	_	HNO3 to pH <2	H <2	
B1M870		3		∌	1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1)	HCI to pH <2	<2	
						JPAPL			
Relin erity OB HANFORD B C CARRIGAN	ORD Print	#	S. C.	5	FFR 0 9 2007	Received By Print Sign	FER 0 9 7007	Matrix	
Relinquished By					Date/Tir	Received By	Date/Tii	= Sediment DI. = Solid T	
Relinquished By					Date/Time	Received By	Date/Time O	= Water I. = Oil V = Air X	= Linuid = Vevetation = Other
Relinquished By					Date/Time	Received By	Date/Time		
FINAL SAMPLE	Disposal	Aethod (e.g.,	Return to cur	stomer, per la	losposal Method (e.g., Return to customer, per lab procedure, used in process)	process)		DateClime	

Jue 05-26 '01				00
Collectifican Part	Contact/Redu	Contact/Requester	Telephone No. MSIN FAX	10 T
SAF No.	Sampling Origin Hanford Site	Origin Origin A Sire	509-376-5056 Purchase Order/Charge Code	
roiect Title RCRA, FEBRUARY 2007	#	1-925-N-H	Ice Chest New Comments	
Spinned To (Lah) Severn Trent Incomorated, Richland	Method of Ship	Method of Shipment Govt. Vehicle	Š	
Protocol RCRA		Priority: 45 Days	Offsite Property No.	
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)	ulated for transportation per		SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes V No Lable secret WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG olosure of 14 days. WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.	G, not to exceed SDG
Date	No/Type (α.	Preservative
	11. 3	Activity Scan	None	
M		TC99_ETVDSK_LSC: Tc-99 (1)	HCI to pH <2	
M M	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None	
		JAHAK	₩.	
NFORD Print Sign	EFR 0 9 20117	Received By Print Sign	Date/Time / Z	*
Relinquished By	1		Date/Time SF.	6 4 11
Relinquished By	Date/Time	Received By	Date/Time O = Oil A = Air	 W = Withe I = Liauid V = Vevetation X = Other
<u> </u>	Date/Time	Received By	DateTine	
FINAL SAMPLE Disposal Method (e.g., Return to customer, per lab procedure, used in process)	rr lab procedure, used in proce	css) Disposed By	Date/Time	

145 JOE/21	CHAIN OF	CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C. # W07-002-263
Colfide HANFORD	Contact/Requester	nester	Telephone No. MSIN	FAX
SAF No.	Sampling Origin	ut rigin	509-376-5056 Purchase Order/Charge Code	
Project Title RCRA FERRIARY 2007	Half	JF-11-526-1	Ice Chest No. 5 - 10 &	Temp.
Shinned In (Lah) Sevem Trent Incompared Richland	Method of Shipment	١		
Protocol RCRA		Priority: 45 Days	Offsite Property No.	
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 releasable per DOE Order 5400.5 (1990/1993)		SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes V No CFR but are not All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days. WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.	Time S submitted under A, G, I, S, and W 07 SA into one SDG, daily closure.	Ars into one SDG, not to exceed SDG
le No. Lab ID * Date Time		Sample Analysis		Preservative
W 2507 1014	1x20-ml. P	Activity Scan	None	
W	ш. і	TC99_ETVDSK_LSC: Tc-99 (1)	HCI to pH <2	
B1M907 W 🗸 1x10	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None	
		JUANA		
, , ,			(),	
FLUOR HANFORD Sign FEB 0	0 9 2007	Received By Print Sign F.	#	Matrix *
2	Date/Time	Received By		ment DI. = 1 1 T = 99
Relinquished By	Date/Time	Received By	11 11 11	
Relinquished By	Date/Time	Received By	Date/Time	
FINAL SAMPLE Disposal Method (e.g., Return to customer, per lab procedure, used in process) DISPOSITION	ocedure, used in proces	s) Disposed By		Date/Time
{				<u></u>

PPINL J78/30/25 W05/31 CI	HAIN OF	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		co.c.# W07-002-262
				Page 1 of 1
Collector, F. CARRIGAN	Contact/Requester	uester T	Telephone No. MSIN 509-376-5056	FAX
AF No.	Sampling Origin Hanford Site		Purchase Order/Charge Code	
Project Title Project EEEDPIADY 2007	##	1.225-11-	Ice Chest Nams 189	Temp.
Shinned In Cash Shinned	Method of Shipment		Bill of Lading/Air Bill No.	
Potocol Poto A	THE TAXABLE PROPERTY.	Priority: 45 Days	Offsite Property No.	
RCKA POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)	or transportation per 49 (SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes V No Learn are not All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days. WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.	Time Total Activ es submitted under A, G, I, S, and W 07 SA into one SDG, daily closure.	vity Exemption: Yes ☑ No ☐AFs into one SDG, not to exceed SDG
Sample No. Lab ID * Date Time N	No/Type Container	Sample Analysis		Preservative
B1M906 W 2-9-67 (CIV 1x	1x20-mL P	Activity Scan	None	
W 1x	1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1)	HCI to pH <2	
81M906 W V 1x	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None	
		TPAPS		
			(Final of the Control	THE PROPERTY OF THE PROPERTY O
Relinquished By Print Sign FEB	3 0 9 2007	Received By Print Sign FEB	0 9 2007 s =	Matrix
Refine The Thirth of Thirthold of Thirth of Thirth of Thirth of Thirth of Thirth of Thirth o	Date/Time	Received By		
Relinquished By	Date/Time	Received By	11 11	
Relinquished By	Date/Time	Received By	Date/Time	
FINAL SAMPLE Disposal Method (e.g., Return to customer, per lab procedure, used in process) DISPOSITION	procedure, used in proce	SS) Disposed By		Date/Time

EINTO GIL

Ţ.	Date/Time Received 2/9/	107 1420 3 -	n List	
		0.00 16.30.6. 13.00	191	
ų	York Order Number: J7816	RUHIUM	NA [] SAFH WOT-OR	22 NATE
Si	hipping Container II)	Chain o	of Custody # WOT-00.	256, 25U
, 1	Custody Seals on the	Air Bill	# 363,9	60
7	Custody Seals on shipping Custody Seals dated and	ng container intact?	NA [] Yes W	No []
3	Chain of Custody record	•	NA[] Yes [of	No[]
4	Cooler temperature	Ala tramer	Yes (y	No1:
5	Number of samples in shi	pping container 4	Yes Lest telphoking materials is NA L	+Welling,
	Sample holding times exc	eeded?	To considerate the second seco	
3.	Samples have:tape		NA[] Yes[] A	401)
	custody seals		hazard labels	
Ÿ	Samples are In good condition broken		appropriate samples lab	eis
10.	Sample pH taken? Sample Location, Sample C *For documentation collection.	NA() pHs2 W pHs	Only to samples	ead space)
	minor only. I	No corrective action needed	Yes W	loss
12	Were any anomalies identifi	ed in sample receipt?		
13	Description of anomaties (in	clude sample numbers)	Yes () N	04
From benefit black			entage proper par cur. In 1974 Statement accounts a parameter account the said can be suited as a first or adjunction of the said can be suited as a first or adjunction of the said can be suited as a said can be suited as	
Sample	: Custodian: En Da	sby Date	2/9/07 1420	
Cli	Cal Samula III	Page		Management of the same of the
		Con	dition Commen	LS/ACTION
Chery In	formed on by			
i ; No a	action necessary; process as is.	Perso	on contacted	The design of the same of the
US-023 9	lannger	Date	and the same of th	
	· ·			The state of the state of

Requester Origin Origin Usite Priority: 45 Days SPECIAL INSTRUCTIONS Hold SPECIAL INSTRUCTIONS Hold SPECIAL INSTRUCTIONS Hold Activity Scan TC99_ETVDSK_LSC: Tc-99 (1) 906.0_H3_LSC: Tritum (1) Sample Analysis Activity Scan TC99_ETVDSK_LSC: Tritum (1) Secenced By Received By Received By Received By Received By Received By	NNL J 18130355	100		Z V	CHATAINV/CAMBI F ANAL VAIS REOHEST	CHA	co.c.# W07-002-430	98
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ARY 2007 Method of Shipment Concentral Richland Covt Vehicle Priori FLE HAZARDS/REMARKS dissertive Material at concentrations that are not regulated for transportation per 49 CFR but are not regulated for transportation per	F No.			Sampling (Origin Site	Purchase Order/Charge Code	we Code	
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Activity Scan Activity Sca	SCIENT SAMPLE HAZARDS/RE SCIENT SAMPLE HAZARDS/RE Scatter of Content Serior (1990/1993) sable per DOE Order \$400.5 (1990/1993)	MARKS recentrations that	are not regulat	ed for transportation per 49		Hold Fime NL samples submitted under A, G, I, : submitted into one SDG, daily closur	Total Activity Exermation: Yes No. S. and W 07 SAFs into one SDG, not to exceed SI:	Spd
W 2-(2 cd) (2.3 cd) (1.20-mL P T039_ETVDSK_LSC: Tc-99 (1)	Lab ID	Date	Time	No/Type Container	Sample Ana	lysis	Preservative	
W 14500-mL P 1000 = TC99 ETVDSK_LSC: Trillum (1)		なかった		1x20-mL P	Activity Scan	None	a a	
SARANNFORID Print Sign ACE By Date/Time Received By Print Sign Acd By Date/Time Received By Received By			serve programme		TC99_ETVDSK_LSC: Tc-99 (1)	DH	HCI to pH <2	
Print Print FEB 1 2 2007 For Sign Date Time Received By Bate Time Date Time Bate Time Bate Time Date			-	1	906.0_H3_LSC: Tritium (1)	None	0)	
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	elinquished By			Date/Time	Received By	Date/fine		
FINAL SAMPLE Disposal Method (e.g., Return to customer, per lab procedure, used in process) DISPOSITION		d (e.g Return to	customer, per	lab procedure, used in prox			Date/Time	

D	Pale/Time Received	1 2/2/07 1116	ne Check-in List	
Ĉ,	hen PNL	1 2/12/07 145 SDG# #	W05121	
W	ork Order Number	J7B130250	- PUZIVIOZ SI	WU7 002 -430
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ì		D:	Air Rill #	
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3		stody record present		NA [] Yes HNO []
4	Cooler (emp	erature.		Yes LINO!
5	Number of sa	amples in shipping containe	S Vermiculite/packing in	Yes LINOT.
7.		ng times exceeded?		,
3	Samples have	:	i	NALLY Yes [] No[]
÷	Sample are. In good broken			rrate samples labers
10. U	Sample pl-I tak	en? NA() pH	SM bHPS (A bHP	r bubbles ples requiring head somety
12		anothorny. 190 corrective ac	ction needed	Yes HNO[]
1	Description of a	alies identified in sample in	cerpt?	Yes 1) NOHT
C	Custodian:		Date: 2//	
		Than 315 Net gested	Condition	Comments/Action
Chery Inf	ormed on	p),	Person counsered	
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Project M:	anager		Dura	
LS-023 9/	103. Rev 5		Date	

Drum Solid
Drum Limi
Tissue
Wine
Limid
Vaporation
Characteristics SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes 🗹 No Call Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.

WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure. S07-002-42 Preservative ō SCIET X Matrix * FAX Page Ice Chest No. ERC 96 034 emp. CO.C.# MSIN HNO3 to pH <2 HNO3 to pH <2 Purchase Order/Charge Code A D K S S S A Bill of Lading/Air Bill No. None None Date/Time/1/15 S Offsite Property No. CHAIN OF CUSTODY/SAMPLE ANALYSIS REOUEST Telephone No. 509-376-5056 2 2007 Date/Time Date/Time イグせんべ 岛 Sample Analysis Disposed By PUISO_PLATE_AEA: Pu-238 + 239/240 (2) SRISO_SEP_PRECIP_GPC: Sr-90 (1) 1129LL_SEP_LEPS_GS_LL: 1-129 (1) Priority: 45 Days CABOK: ITOTIN Activity Scan POSSIBLE SAMPLE HAZARDS/REMARKS

** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993) Received By Received By teceived By Received By Method of Shipment Contact/Requester Sampling Origin Goyt Vehicle Dot Stewart Disposal Method (e.g., Return to customer, per lab procedure, used in process) Date/Time A/SK No/Type Container 1x1000-mL G/P 2x4000-mL G/P 3x1000-mL G/P Date/Time Date/Time 1x20-mL P Time Sign Jakel/B Date due 03.29.07 PNNL J78/30298 Fluor Hanford F. M. HALL Severn Trent Incomparted, Richland ⋧ ₹ ⋧ I≩ 15150W Relinquished By Hanford Print Lab ID SURV. FEBRUARY 2007 FINAL SAMPLE DISPOSITION F. M. HALL Shinned To (Lah) Sample No. Relinquished By Relinquished By Relinquished By Project Title B1M7F9 B1M7F9 B1M7F9 B1M7F9 Collector VSAFNo. Protocol 88

10.62.40	CONTRACTOR TOWN THE WINDER SECUENT		S07-002-50
3		Page 1	of 1
E.M. HALL	Contact Requester Dot Stewart	Telephone No. MSIN FAX	
N S07-002	Samoling Origin Hanford Site	Purchase Order/Charge Code	
olect inte Surv. february 2007	Logbook: HNF-N-506-4	Ice Chest No. ER QL - 32 Temp.	
Shunned To Gah) Severn Trent Incommented, Richland	Method of Shipment Govt Vehicle	Bill of Lading/Air Bill No.	
Protocol SURV	Priority: 45 Days	Offsite Property No.	
POSSIBLE SAMPLE HAZARDS/REMARKS **	CFR but are not	SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes V No All Labs except WSCF: Batch all PNNL samples submitted under A. G. I. S. and W 07 SAFs into one SDG, not to exceed SDG Glosure of 14 days. WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.	es V No
Date Time	Container	Preservative	ative
W 21/2/01/1036	۵.	None	
	-mL G/P 1129LL_SEP_LEPS_GS_LL: I-129 (1)	None	
	J. C.	DMT	
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Pring Day			
THE I	355	Matrix Matrix	1
	Date/Iume Received By //	= Sediment = Solid = Sludge	1 11 11 11
Relinquished By Date/Time	Time Received By	Water I. Oil V	,
Relinquished By Date/Time	Time Received By	Date/Tune	
FINAL SAMPLE Disposal Method (e.g., Return to customer, per lab procedure, used in process)	e, used in process)		

Floor Hafford Constant Requester Floor Hafford Constant Requester Floor Hafford Constant Requester Floor Hafford Constant Requester Constant Requester Constant Protection Const	PNNI_078/3	8600	CHAI	CHAIN OF C	CUSTODY/SAMPLE ANALYSIS REQUEST	EQUEST	S07-002-62
Fluck Handord Constant Chesin Fluck Handord Constant Sampling Origin Local Streams Sampling Origin Local Streams	Sue	13.29.07					Page 1 of 1
Sampling Origin Corigination C	Collector	Fluor Hanford		Contact/Reco	uester	4	SIN FAX
C.C.; DCCK. H N - 1	SAF No. S07-002	14: 4 (ALL		Sampling Or Hanford Si	igin te	Purchase Order/Charge Code	
Shipment Dicle Priori Priori 906.0_H3_LSC: Trit Activity Scan GAMMALL_GS: Lis 1129LL_SEP_LEPS TC99_ETVDSK_LS UTOT_KPA: Uraniu Received By Received By Received By Received By Received By	Project Title SURV, FEBRUARY 200			Sq!son	- 2 止るよ	Ice Chest No. ERC 9 (6 - 0	3y Temp.
CFR but are not 906.0_H3_LSC: Trit Activity Scan GAMIMALL_GS: Lis 1129LL_SEP_LEPS TC99_ETVDSK_LS UTOT_KPA: Uraniu Received By Received By Received By Received By	Shinned To (Lah) Severn Trent Incomorate	d. Richland		Method of St Govt, Vehi	lipment cle	Bill of Lading/Air Bill No.	
CFR but are not 906.0_H3_LSC: Trit Activity Scan GAMMALL_GS: Lis 1129LL_SEP_LEPS TC99_ETVDSK_LS UTOT_KPA: Uraniu Received By Received By Received By Received By	Protocol SURV					Offsite Property No.	the definition of the second state of the seco
Lib Date Time No/Type Container Sample Analysis Note	POSSIBLE SAMPLE HA ** ** Contains Radioactive ireleasable per DOE Order 5400.	ZARDS/REMARKS Material at concentrations that are 15 (1990/1993)	not regulated for transp	portation per 49 C		Time Total / cs submitted under A. G. I. S. and W (d into one SDG, daily closure.	vetivity Exemption: Yes 🔟 No].
W 2/(2/07) 1/3/4 1x1000-mL P 906.0_H3_LSC: Tritium (1) None	-	* Date		e Container	Sample Analysis		Preservative
W 1x20-mL GP GAMMALL GS. List 1 (9) HN03 to pH <2	B1M7H7	12	 	1	906.0_H3_LSC: Tritium (1)	None	
W 134000-mL GP GAMMALL_GS. List-1 (9)	B1M7H7	, , , , , , , , , , , , , , , , , , ,	1 1x20-m	L P	Activity Scan	None	
W	B1M7H7	W	1x4000	G/P	GAMMALL_GS: List-1 (9)	HNO3 to pH	<2
W 1x500-mL P TC99_ETVDSK_LSC. TC-99 (1)	B1M7H7	>	2x4000	G/P	1129LL_SEP_LEPS_GS_LL: 1·129 (1)	None	
W V 1x500-mL GrP UTOT_KPA. Uranium (1) HNO3 to pH <2	B1M7H7	*	1x500-r	α.	TC99_ETVDSK_LSC: Tc-99 (1)	HCI to pH <2	
CTP D77 (M. Control of	B1M7H7	-> 3	1×500-r	G/P	UTOT_KPA: Uranium (1)	HNO3 to pH	<2
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Dimonth Maked Lands to an attention 1.1. 1.1. 1.1. 1.1.	Relinquished By		Date		eccived By	Date/Time	
Lisposal Method (e.g., Ketum to customer, per lab procedure, used in process)	F-3	sposal Method (e.g., Return to cust	onxer, per lab procedu	re, used in process	Disposed By	A STATE AND A STATE OF THE STAT	Date/Time

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Filed Hamford For Hamford Contact Recurester		29.07					Page 1 of 1
The composition of Shimment Cont. Vehicle		or Hamford	**************************************	Contact/Re	nester rr		ISIN FAX
The Laboratory 2007				Sampling O	riein ite	Purchase Order/Charge Code	4
Method of Shipment Prior	Project Title		ARPALLA L	2(50)	- U L	Ice Chest No. 2 RC96-03	3d Temp.
CFR but are not 906.0 H3_LSC: Tr Activity Scan GAMMALL_GS: Li 1129LL_SEP_LEP TC99_ETVDSK_L UTOT_KPA: Urani UTOT_KPA: Urani Received By Received By Received By Received By	Shinned To (Lah)) (= 1, 3,, 3		Method of	and the second s	Bill of Lading/Air Bill No.	
CFR but are not 906.0 H3_LSC: Tr Activity Scan GAMMALL_GS: Li 1129LLEP_LEP_ TC99_ETVDSK_L UTOT_KPA: Urani UTOT_KPA: Urani Received By Received By Received By Received By	Protocol	XICOURING.	in metitioner transfer and the last in the	ODAL YES		Offsite Property No.	
Lab ID • Date Time No/Type Continent Sample Analysis None	SUKA. POSSIBLE SAMPLE HAZA ** ** Contains Radioactive Mat releasable per DOE Order 5400.5 (1	RDS/REMARKS erial at concentrations that 990/1993)	t are not regulated	for transportation per 49		d Time Toltal. les submitted under A, G, I, S, and W ed into one SDG, daily closure.	Activity Exemption: Yes No No SAFs into one SDG, not to exceed SDC
W 2/(2) 1/2	-	*		No/Type Container	Sample Analysis	The state of the s	Preservative
W	B1M7H8	+	-		906.0_H3_LSC: Tritium (1)	None	
W 124000mL GP GAMMALL_GS: List (9) HNO3 to pH <2	В1М7Н8	, , ,			Activity Scan	None	
W	B1M7H8	×			GAMMALL_GS: List-1 (9)	HNO3 to pH	1 < 2
March 1x500-mL P T099 ETVDSK, L3C: Tc-99 (1)	B1M7H8	<u>×</u>		2x4000-mL G/P	1129LL_SEP_LEPS_GS_LL: 1-129 (1)	None	
W W 17500-mL G/P UTOT_KPA: Uranium (1)	В1М7Н8	W		- 1	TC99_ETVDSK_LSC: Tc-99 (1)	HCI to pH <	(2
Print Sign Date/Time/4/5 Received By Print Sign Date/Time/4/5 Date/Time Date/Time Received By Date/Time Date/Time Received By Date/Time Date/Time Date/Time Date/Time Date/Time Date/Time Date/Time	B1M7H8						1<2
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Ord Print Sign Date/Time/4/55 Received By Print Sign Date/Time/4/55 Date/Time Received By Color Date/Time Sign Date/Time Date/Time Received By Date/Time Date/Time Date/Time Date/Time Date/Time Date/Time Date/Time							
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Date/Time Received By Date/Time W = A = Date/Time Received By Date/Time Date/Time	Relinquished By			Date/Time		Date/Time	= Sediment DI. = = Solid T = WI = WI
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000000000000000000000000000000000000000	Relinquished By	And the state of t		Date/Time	Received By	Date/Time	
Disposal Method (e.g., Return to customer, per lab procedure, used in process)	[F2]	sal Method (e.g., Return to	o customer, per lab	n procedure, used in proce	rss) Disposed By		Date/Time

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	Date/Time Received: 2	2/12/07 1455	oneck-in Eigl	
Ç	Then PUL	SDG# W	105/3/ NALL	AF H. 507-002N
W	York Order Number:	J7B130298	My (1 3)	507-002-42,50,62,63
31	hipping Container ID-	The state of the s	Chain of Cus(od): #	507-002-42,50,62,63
ŀ		On shipping container int	A11 B111 #	
2	Custody Sents	dated and signed?	dC₹ '	NA () Yes WNO ()
3		dy record present?		NA[] Yes [No[]
4	Cooler ternpera	ture:		Yes (+No!:
5	Number of sam	ples in shipping container	5 Vermicalite/packing π	Yes (+No):
7		times exceeded?		• ,
€.	Samples have:			NA[] Yes[] No[]
	custody se	als	hazard	labels
ù	Samples are in good co broken	ndition	leaking	
10.	Sample pH taken	pre	Only for sen	Dles recursive
1 1	Sample Location, *For documentation	Sample Collector Listed? on only. No corrective ac		Yes HNO!
12	Were any anomali	es identified in sample red	ceim?	• ,
	Description of ano	maties (include sample n	umbers)	Yes [] No [4
Samula				
	Custodian: 5	1 Jarly	Date: 2/1;	0/07 INCT
CI _I	ent Sample ID	Analysis Requested	Condition	11)
			COMMINI	Comments/Action
Client In	oformed on	by	and the state of t	
: No	action necessary; proce	by	Person contacted_	The same and the s
		V 0 13.		
US-023 g	9/03. Rev 5		Datc	

TO STATE CHA	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C.# W07-002
OUF.	Contact/Requester	Telephone No. MSIN FAX
SAF No.	Sampling Origin Hanford Sire	Purchase Order/Charge Code
Ekroject Title RCRA, FEBRUARY 2007	HWF-N-506 3	Ice Chest No Jule 595 Temp.
Shinned To (Lab) Sevem Teet Incomorated, Richland	Method of Shipment Govt Vehicle	. ===
Protocol RCRA	Priority: 45 Days	Offsite Property No.
POSSIBLE SAMPLE HAZARDS/REMARKS ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)		SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes 🗹 No Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days. WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.
le No. Lab ID * Date Time	No/Type Container Sample Analysis	Preservative
W 2-13-07 0859	P Activity Scan	None
W	Ľ G/P	HNO3 to pH <2
M	1x500-mL P TC99_ETVDSK_LSC: Tc-99 (1)	HCI to pH <2
B1M9B1 W - 1×10C	1x1000-mL P 9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
	A.D.	tEX
Print Sigh FEB	13 2007 Letter Print Sign	Matrix *
Relinquished By	Date/Time Received By	Date/Time SP = Sediment DI = SO = Solid T = SO Solid T = SI SI SI SI SI SI SI SI
Relinquished By Da	Date/Time Received By	= Water = Oil = Air
Relinquished By Da	Date/Time Received By	Date/Time
FINAL SAMPLE Disposal Method (e.g., Return to customer, per lah procedure, used in process) DISPOSITION	edure, used in process) Disposed By	Date/Time

PNNL J78/5027/ WDS/3/	7/2/2007		CHAIN OF	CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C.# W07-002-514 Page 1 of 1
Collector Fluor Hanford D. F. PABCHEN			Contact/Requester	leguester Wart	Telephone No. MSIN	FAX
SAF No.			Sampling Origin Hanford Site	Origin 1 Site	Purchase Order/Charge Code	
CProject Title RCRA, EEBRIJARY 2007			7	4NF-N-506 3	Ice Chest Negran 595	Temp.
Shinned To (Lah) Severn Trent Incornorated. Richland	chland		Method of Ships Govt. Vehicle	nent	Ē	
Protocol RCRA				Priority: 45 Days	Offsite Property No.	
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 releasable per DOE Order 5400.5 (1990/1993)	DS/REMARKS fal at concentrations that 00/1993)	are not regulat	cd for transportation per 4	SPECIAL INSTRUCTIONS All Labs except WSCF: Batch all PNNL closure of 14 days. WSCF: Batch all PNNL GW samples sut	Hold Time Samples submitted under A, G, I, S, and W 07 grantited into one SDG, daily closure.	ivity Exemption: Yes V No AAFs into one SDG, not to exceed SDG
Sample No. Lab ID	* Date	Time	No/Type Container	Sample Analysis		Preservative
B1M9C1	W 2-17-CT	1113	1x20-mL P	Activity Scan	None	
B1M9C1	×	20000	1x4000-mL G/P	GAMMALL_GS: List-1 (9)	HNO3 to pH <2	
B1M9C1	W		1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1)	HCI to pH <2	
B1M9C1	*	-	1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2	
				JHHE	<i>A</i>	
Relinguister Hannford D. E. PARCHEN	Sign		Date/Time/代収f FFR 1 3 2007	Received By Print Sign		Matrix *
Relinquished By			Date/Time	Received By	# # & # i	
Relinquished By			Date/Tinx	Received By	Date/Time W =	
Relinquished By			Date/Time	Received By	Date/Time	
FINAL SAMPLE Disposal Disposal DISPOSITION	Method (e.g., Return to o	customer, per l	Disposal Method (e.g., Return to customer, per lab procedure, used in process)	CSS) Disposed By		Date/Time

)	0.0	Ö	CHAIN OF	CUSTODY/SAMPLE ANALYSIS REQUEST	REQUEST	W07-002-522
Collector DE Parion						Page 1 of 1
I. L. FANCHEN			Dot Stewart	veduester wart	Telephone No. MS	MSIN FAX
W07-002			Sampling Origin Hanford Site	Origin d Site	Purchase Order/Charge Code	
Project Title RCRA, FEBRUARY 2007			14	HWF-N-5063	Ice Chest No.	Temp.
Shinned To (Lab) Severn Trent Incomposated, Richland			Method of	ment	Bill of Lading/Air Bill No.	
Protocol RCBA			Viovi, venicie	enicie Priority: 45 Dave	Offsite Property No.	
POSSIBLE SAMPLE HAZARDS/REMARKS ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 releasable per DOE Order 5490.5 (1990/1993)	MARKS centrations that are n	ot regulated fo	r transportation per 4	CFR but are not	Id Time Total Aples submitted under A. G. I. S. and W 0 ted into one SDG, daily closure.	ctivity Exemption: Yes No No No SAFs into one SDG, not to exceed SDG
Sample No. Lab ID *	Date	Time	No/Type Container	Sample Analysis		
X	11 40-61-6	11x59 1x	1x20-mL P	Activity Scan	None	LICSCIVALIVE
B1M9C6 W	-	1x	1x4000-mL G/P	GAMMALL_GS: List-1 (9)	C> Ha of EONH	
		1×	1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1)	C/ 12 0 1 1 1	7.
B1M9C6 W	*	, ,	1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2	42
				AAT.	EH	
Relinquishe	Tais.		Date/Time /445	Received By Print Sign	Patertine NUCT	
D. E. PARCHEN C	2	留	1 3 2007	Le Lander Feel Das	FEB 13.200	Matrix *
Ketinquisned By	\supset	!	Date/Time	Received By	Date/Time SO SI SI	= Soil DS = Drum Solid = Sediment DI. = Drum Linni = Solid T = Tissue = Sludge WI = Wive
Relinquished By			Date/Time	Received By	Date/Time W =	>×
ŀ			Date/Time	Received By	Date/Time	
FINAL SAMPLE Disposal Method (e. DISPOSITION	g., Return to custon	cr, per lab pro	Disposal Method (e.g., Return to customer, per lab procedure, used in process)	Disposed By		Date/Time

Collector Euor Hanford BAF No. SAF No. W07-002 Project Title RCRA FEBRUARY 2007 Shinned To 0.ab) LSeven Trent Incomparind, Richland Protocol RCRA						· J-
AF No. W07-002 roject Title RCRA. EBRUARY 2007 hinned To ff. sh. Severn Trent Incomparind, Richland rotocol RCRA.	7		Contact/Requester	equester	Telephone No. MSIN	N FAX
WILAUZ RORA EEBRUARY 2007 RORA EEBRUARY 2007 Liseven Trent Incomonated, Richland rotocol RORA RORA RORA ROSSBLE SAMPLE HAZARDS/REMAI			Dot Stewart Sampling Origin	vart Origin	6 17/Charge Co	
RCRA, FEBRUARY 2007 pinned To (1.sh) Severn Trent Incompated, Richland rotocol RCRA OSSIBLE SAMPLE HAZARDS/REMAF			Hanford Site			Temp
Levern Trent Incompated, Richland rotocol RCRA RCRA SECRETARY SECR			AICE	r -N - 506 S	SAL SGS	
otocol RCRA SSICRA SSICRE SAMPLE HAZARDS/REMAI			Method of Shipment Govt. Vehicle	Shipment	Bill of Lading/Air Bill No.	
OSSIBLE SAMPLE HAZARDS/REMAF				Priori	Offsite Property No.	
Contains Addodative which at concentrations that are not regulated for transportation per 49 CFK but are not releasable per DOE Order 5400.5 (1990/1993)	RKS atrons that an	c not regulate	ed for transportation per 40	SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes No All Labs except WSCF: Batch all PNNL samples submitted under A. G. I. S. and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days. WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.	Total Act es submitted under A. G. I. S. and W 07 i into one SDG, daily closure.	SAFs into one SDG, not to exceed SDG
e No. Lab ID *	Date	Time	No/Type Container	Sample Analysis		Preservative
W	2-13-02	1184	1x20-mL P	Activity Scan	None	
		•	i	GAMMALL_GS: List-1 (9)	HNO3 to pH <2	2
		1	u. I	TC99_ETVDSK_LSC: Tc-99 (1)	HCI to pH <2	
81M9D6		-	1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2	2
				HAL	3	
Relinquished By Print Print C. E. PARCHEN	Sign	ü	FEB 1 3 2007	Received By Print Sign E. Andry E. C. C. Con Con	2007	Matrix *
Keimquished By		P	Date/Time	Received By	Date/Time SF = SO =	Sediment DI. = Solid T = Shidge WI = Shidge
Relinquished By			Date/Time	Received By	Date/Time	= Water I. = Irond = Oil V = Vecetation = Air X = Other
Relinquished By			Date/Time	Received By	Date/Time	
FINAL SAMPLE Disposal Method (e.g DISPOSITION	Return to cu	stonier, per la	Disposal Method (e.g., Return to customer, per lab procedure, used in process)	Disposed By		Date/Time

Custody Seals on shipping containe Custody Seals dated and signed?	Air Bill #
Custody Seals on shipping containe Custody Seals dated and signed?	Ciplaci.
Custody Seals dated and signed?	111/16
Chainne	NAI) Yes WNOI.
Chain of Custody . ecord present?	NAII Yes HNOI.
Cooler temperature	Yes I
Number of samples in shipping confe	Yes Wermich herpacking materials is NA Westing
7. Sample holding times exceeded?	uner 7
Samples have:lapecustody seals	NA() Yesi) No()
Samples are	dpp opriate samples labels
Sample pH taken? NA() Sample Location, Sample Collector List *For documentation only. No see	Only for samples requiring head space; pHo2 () pHo9 () ed? *
*For documentation only. No corrective Were any anomalies identified in sample	Action and the Van Care
Description of anomalies (include sample	receipt? Yes (1 No./
Client Sample ID Analysis Requested	Date: 2/13/07 1498 1445
	Continuents action
Informed on	The same and the s
Informed on by by o action necessary, process as is.	Person continued

Due 0.	3	Ore ore	03.30.07	07	-			Ä	Page 1 of 1
ollector	K K K	3 4			Contact/Requester	equester vart	Telephone No. 509-376-5056	MSIN	FAX
SAF No.					Sampling Origin Hanford Site	Origin Site	Purchase Order/Charge Code	ge Code	
colect Title SURV, DECEMBER 2006	ER 2006				MH	FN. 506-3	Ice Chest No.	595 Temp.	
Shinned To Cab) Sevem Trent Incomorated, Richland	morated, Ric	hland			Method of Ship	Method of Shipment Govt, Vehicle	Bill of Lading/Air Bill No.	No.	
Protocol SURV						Priority: 45 Days	Offsite Property No.		
SSIBLE SAMPI *** Contains Radi easable per DOE Ord	LE HAZARI ioactive Materii er 5400.5 (1991	S/REM il at conce 3/1993)	ARKS ntrations that	arc not regulai	POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radoactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)	SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes 🔟 No CFR but are not All Labs except WSGF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days. WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.	Hold Time amples submitted under A. G. I.: mitted into one SDG, daily closur	Total Activity Exe S, and W 07 SAFs into	mption: Yes No one SDG, not to exceed SDG
Sample No.	Lab ID		~ 1	Time		Sample Analysis			Preservative
B1LD97			2/10/2	#1000	[Activity Scan	None	Œ.	
B1LD97		3			1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	ONH	HNO3 to pH <2	
B1LD97		≥			1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1)	HCI	HCl to pH <2	
B1LD97		≩			1x1000-mL P	906.0_H3_LSC: Tritium (1)	None	a)	
B1LD97		≩	_		1x500-mL G/P	UTOT_KPA: Uranium (1)	ONH	HNO3 to pH <2	Sandinio de la companya del la companya de la companya de la comp
						7	HEJ		
		1							
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					And the second s				THE RESERVE THE PROPERTY OF TH
									tra jegoja za
Relinquished By R. R. ROX	Pint	d	Sign	臣	Date/Time / 24/0	Received By Print Sign	Date/Time /2 4©	0	Matrix *
Relinquished By	>					Received By	Date/Time	SE = Sediment SO = Solid SI. = Sludge	N + 10 5
Relinquished By					Date/Time	Received By	Date/Time	W = Water O = Oil A = Air	I. = Liquid V = Veretation X = Other
Rehnquished By					Date/Time	Received By	Date/Time		
	+								

TIME STL

(Date/Time Received 2/13	1/~	neck-in List	
Ç	Chent PNL	SDG # MINS	5/1/	SAF 4 307-012.
Y	Work Order Number: J7B1	50278	NA ()	SAF 11 307-012. NA.
S	hipping Container ID:		Chain of Custody	# 507 -012 - ULV
1	Custody Seals on shipp		Air Ball #	74 8
2	Cusiody Seals dated and			NAI) Yes (4 NOI)
ڗ	Chain of Custody record	Dresenio		NA () Yes HNO!
4	Cooler temperature:	- NA LI		Yes Miney.
5	Number of samples in st	Dipping container	ermiculite/packing	Yes INGT .
7	Sample holding times ex	ceeded?	managa na njelengapa da ni n dalipir par mali minana na pini basari . a i minana da Angiana	-
Š.	Samples have:tapecustody seals			NA WYes [] No[]
9	Samples arein good conditionbroken			Private samples labers
10. H	Sample pH (aken?	NA() pHk2()	bros () bH	fir bubbles
12		INO Corrective action of	needed	Yes UNO []
13	Were any anomalies identif Description of anomalies (in	ied in sample receipt? actude sample number	z)	Yes ! No !
Sample	Custodian: Im			the same of the sa
Clie	01 /200010 10	s Requested	Condition	114/07 1240
and the state of t			OCHARION	Comments/action
Chem liste	ormed on by	The state of the s		
i -). No ac	ormed on by ction necessary, process as is.	and a management of the second	e. Person connected	
-5-023, 9/1	onnger03. Rev 5	Managada a garang ang at a sangga at ang at a di a	_ Date	

10.00.00				
1000	And the second s			Page 1 of 1
ollector R. T. SIONLE	Contact/Requester	guester art	Telephone No. MSIN 509-376-5056	FAX
SAF No.	Sampling Origin	Jrigin Sife	Purchase Order/Charge Code	
roject Title INR2-RR FERRITARV 2007	100	Cabook, HNF. N-506-4	Ice Chest No. SML - 562 T	Temp.
	Method of Shipment	Shipment biolo	Bill of Lading/Air Bill No.	A CONTRACTOR OF THE PROPERTY O
Protocol		Priority: 45 Days	Offsite Property No.	
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)	not regulated for transportation per 49		SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes M No Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days. WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.	Exemption: Yes No into one SDG, not to exceed SDG
Sample No. Lab ID * Date	Time No/Type Container	Sample Analysis		Preservative
B1M5Y2 W 3/14/07 0	094年 1×1000-mL P	9310_ALPHABETA_GPC: Gross Beta (1)	HNO3 to pH <2	The state of the s
81M5Y2 W	1x20-mL P	Activity Scan	None	
		THHE		
	00			
4	100×1,107			
6	/ p(h) C			
Relinquished By Print Signary Fluor Hanford R. T. SIGN F. R. T. SIGN F.	FEB 1 4 2007	Received By Print Sign	Date/Time /435	Matrix *
Relinquished By	Date/Time	0	Date Time SF. = SO = SO = SI. = SI.	
Relinquished By	Date/Time	Received By	8 8 8	
Relinquished By	Date/Time	Received By	Date/Ture	
FINAL SAMPLE Disposal Method (e.g., Return to cus	Disposal Method (e.g., Return to customer, per lab procedure, used in process)	ess) Disposed By		Date/Line

Collector Fluor	1				
	03.30.07				Page 1 of 1
	Fluor Hanford	Contact/Requester	ester	Telephone No. 76-5056	MSIN FAX
_	MUNICE	Sampling Origin Hanford Site	gin	Purchase Order/Charge Code	de
Project Title INR2-RB FFBRITARY 2007	0.7		K: HZF- N-906-4	Ice Chest No. SMC-562	ω2 Temp.
Shinned To (Lah)	M. Commence of the commence of	Method of Shipment	ipment	Bill of Lading/Air Bill No.	
Protocol STIRV			Priority: 45 Days	Offsite Property No.	
POSSIAN ** ** Contains Radioactive Material at concentrations releasable per DOE Order 5400.5 (1990/1993)	POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)	ransportation per 49 CI	SPE All clos ws	d Time Tota les submitted under A, G, I, S, and V and into one SDG, daily closure.	al Activity Exemption: Yes 🗹 No LW 07 SAFs into one SDG, not to exceed SDG
Sample No. Lab ID	* Date Time	No/Type Container	Sample Analysis	A CONTRACTOR OF THE PROPERTY O	Preservative
B1M5X8	1x1 0599 10/1/2 M	1x1000-mL P	9310_ALPHABETA_GPC: Gross Beta (1)	HNO3 to pH <2	0H <2
B1M5X8	1×3c / / M	1x20-mL P	Activity Scan	None	
			HHHALL		
	30	3			
	\$\frac{1}{2}				
					A STATE OF THE STA
				A CONTRACTOR OF THE PROPERTY O	
		_			
RelinquiptigBylanford R. T. SICKLE	FEB	Date Time 4/35 R.	Received By Print Sign	Date/Time, 435	Matrix *
Refinquished By			Received By	1	= Solid
Relinquished By		Date/Time Ru	Received By	Date/Time O	= Water = Oil = Air
Relinquished By		Date/Time Ro	Received By	Date/Time	
FINAL SAMPLE Dispos	Disposal Method (e.g., Return to customer, per lab procedure, used in process)	cedure, used in process	Disposed By		Date/Time

Collector R. T. SiCKLE SAF No. P. G07-002 Project Title INR2-RB, FFBRIJARY 2007 Shigned To fl. ah)	Cantest Barreton		
No. 07-002 ect Title NR2-RB. FEBRUARY 2007 med To. (Lah)	Contactneduester	7.28	of 1
ect Title NR2-RB. FEBRUARY 2007	Dot Stewart Sampling Origin	P. 504-505 (MSE) FAX	
NR2-RB. FEBRUARY 2007	Hanford Site	t ut thase Ofuer/Charge Code	
	LCADOOK: HNF-N-506-4	Ice Chest No SM (-5/67 Temp.	
Severy front incorporated. Richland	Method of Shipment	Bill of Lading/Air Bill No.	
Protocol SURV	Priority: 45 Days	Offsite Property No.	
POSSIBLE SAMPLE HAZARDS/REMARKS **	CFR but are not	SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes No All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days. WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure,	of to exceed SDG
Date Time	ntainer	Preservative	vative
06/20/1/0/h//c/w	٦	HNO3 to pH <2	
W 1x20-mL	-mL P Activity Scan	None	
	J P HHV	N	
1			
Reinmisse & Sign Day Reinmisse & Sign Day R. T. SICKLE	3 Received By Print Sign	Date/Time 14/35 Matrix *	
769	Date/Time Received By CRIC LANDY FEB	= Soil = Sediment = Solid	11 11 11
Relinquished By Dar	Date/Time Received By	Si	= Wine = Lianid = Vegetation = Other
Relinquished By Dar	Date/Time Received By		
FINAL SAMPLE Disposal Method (e.g., Return to customer, per lab procedure, used in process) DISPOSITION	ure, used in process) Disposed By	DateTine	

GIL

Sample Check in Tie

C	MIE/Time Received 2/14/177	Check-in List
C	Them PNL SDG # 412	05/2/ NATT SAF 11 607-002 No.
R	York Order Number: 77.815028 5	NA 11 SAF 11 GO7-002 No.
	Dipping Container ID:	Chain of Custody # 607-002, 12, 14,15
i	Custody Seals on shipping container intac	
2	Custody Seals dated and signed?	NAII Yes WNO!
3	Chain of Custody record pressure	NA [] Yes MNO[.
4	Cooler temperature.	Yes VM.
6	Number of samples in shipping container.	Vermiculite/packing materials is NA (West 10)
7.	Sample holding times exceeded?	
3.	Samples have:tape	NA WYes [] Ne []
	custody scals	inazard labels
¥	Samples are in good condition broken	appropriate samples labers
10. Fi	Sample pH taken? NA() pH<2.	Only for samples requiring head space; pHS2[] offs9[]
12	- 1 diry. The confective action	on needed Yes (No ()
13	Were any anomalies identified in sample ideal Description of anomalies (include sample num	pro Yes () No W
Sample Che	Custodian: En Darby and Sample ID Analysis Requested	Date: 2/14/07 1445
		Condition Comments/Action
Chem Inf	ormed on	
i) Mo a	ormed on by ction necessary; process as is.	Person condicied
LS-021 o/	onnger 103. Rev 5	Datc
. +-2.71	ου, Νεν)	manufacturing and the state of

Drum Solid Drum Liani Tissue Wine Lianid Vegetation Other SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes 🗾 No All Labs except WSCF: Batch all PNNL samples submitted under A, G, I. S, and W 07 SAFs into one SDG, not to exceed SDG W07-002-38 Preservative ö KG E M L>× Matrix * FAX Page = Soil
= Softment
= Solid
= Shadee
= Water
= Oil Temp. CO.C.# MSIN HNO3 to pH <2 HCI to pH <2 Purchase Order/Charge Code A D & St S St S Bill of Lading/Air Bill No. None closure of 14 days. WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure. Date/Time 1435 2/15/107 Offsite Property No. Telephone No. 509-376-5056 CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST Date/Time Date/Time Ice Chest No. POMBY 2007 LC LC Sample Analysis Disposed By Priority: 45 Days 1 Print ŧ TC99 SEP LSC: Tc-99 (1) GAMMALL_GS: List-1 (9) Soci Activity Scan Z POSSIBLE SAMPLE HAZARDS/REMARKS

** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993) Received By eceived By Received By 1 Method of Shipment Govt. Vehicle Contact/Requester Dot Stewart Sampling Origin Hanford Site ルズエ Disposal Method (e.g., Return to customer, per lab procedure, used in process) 1 5 2007 ine 1435 No/Type Container 3x1000-mL G/P 1x4000-mL G/P Date/Time Date/Time Date/Time 1x20-mL P Time <u>N</u>0 留 2/15/17 Sign Date ₹ Severn Trent Incomporated, Richland ≥ ≥ # PINIL J 7 18180107 Lab ID から 名をある。 Project Title RCRA_FEBRUARY 2007 FINAL SAMPLE DISPOSITION Shinned To (Lah) Sample No. Relinquished By Relinquished By Relinquished By Relinquished By W07-002 B1M854 B1M854 B1M854 Protocol TU4

= Drum Solid
= Drum Lioni
= Tissue
= Wine
= Lionid
= Veeelation
= Other SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes V No All Labs except WSCF: Batch all PNNL samples submitted under A. G. I. S. and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.

WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure. W07-002-170 Preservative ŏ SE E E I > X Matrix * Page 1 FAX Soil Sediment Solid Sludge Water Oil Temp. C.O.C.# MSIN HNO3 to pH <2 HCI to pH <2 A O K IS S IS A Purchase Order/Charge Code Bill of Lading/Air Bill No. Date/Time 2/15/ None None Offsite Property No. Ice Chest No. 12 CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST Telephone No. 509-376-5056 193 Date/Time Date/Time Date/Time TO SOL ្រ Sample Analysis S S Sign Disposed By Priority: 45 Days 0/2/0 TC99_SEP_LSC: Tc-99 (1) 906.0 H3 LSC: Tritium (1) UTOT KPA: Uranium (1) K Activity Scan までして POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993) Received By eceived By Received By Received By Method of Shipment Contact/Reduester
Dot Stewart
Sampling Origin Goyt. Vehicle Disposal Method (e.g., Return to customer, per lab procedure, used in process) Date/Time/935 No/Type Container 3x1000-mL G/P 1x500-mL G/P 1x1000-mL P Date/Time Date/Time 1x20-mL P Date/Time 2007 1208 Time 2 7 (18/7 es es Date 101081877/8-18010/ 1008-12/ 1008-12/ ₹ ≥ Severn Trent Incomorated. Richland ₹ ₹ EDGE CONNOLLY
SAF No.
WOT-002
Project Title
RCRA FEBRUARY 2007 TOWNS TOWNS Lab ID FINAL SAMPLE DISPOSITION Shinned To (Lah) Sample No. Refinquished By Relinquished By Relinquished By B1M8L2 B1M8L2 B1M8L2 B1M8L2 Protocol

Drum Solid Drum Figuri Tissue Wine Liguid Vegetation Other W07-002-202 SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes 🗹 No All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.

WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure. Preservative SC F M ->× Matrix * FAX Page Date/Time Temp. C.O.C. # Soil
Sediment
Solid
Shidse
Water
Oil MSIN HNO3 to pH <2 Purchase Order/Charge Code HCI to pH <2 A D & M B M N Bill of Lading/Air Bill No. None None SEK WILLIAM S Offsite Property No. Ice Chest No. 17 CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST Telephone No. Date/Time Date/Time Date/Time TROPI ß Sample Analysis Sign Disposed By Priority: 45 Days 1475-11-1230-2 TC99_SEP_LSC: Tc-99 (1) 906.0_H3_LSC: Tritium (1) UTOT_KPA: Uranium (1) Activity Scan POSSIBLE SAMPLE HAZARDS/REMARKS

** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993) Method of Shipment Govt. Vehicle SPEB 15 2007 Date/Time/1435 Received By Received By Received By Received By Contact/Requester W Sampling Origin Hanford Site Dot Stewart Disposal Method (e.g.. Return to customer, per lab procedure, used in process) No/Type Container 3x1000-mL G/P 1x500-mL G/P 1x1000-mL P 1x20-mL P Date/Time Date/Time 321 Time 2|13|7 Date Due 04.02.07 Severn Trent Incomparated, Richland ₹ PNNL 07/8/80/0/ ₹ ≥ ≥ OR BOTH OF A Print Lab ID Collector Collector RCRA, FEBRUARY 2007 hinned To (Lah) FINAL SAMPLE DISPOSITION Sample No. D Collector SAF No. WOZ-GOZ Relinquished By Relinquished By Relinquished By B1M8J2 B1M8J2 B1M8J2 B1M8J2 Protocol 106

CITY STL

Į.	DalerTime Received 2/15/07 14	35
	SDG	" W05/2) NA [] SAF H 607-002 NA []
ч	York Order Number: J7B-180 107	CONTRACT SAF N. 607-002 NATION
SI	mpping Container ID:	wo7002,38,170
	on shipping contain	December.
2	Custody Seals dated and signed?	NA () Yes WNO (
3	Chain of Custody record present	NA() Yes WN) (.
7	Cooler temperature:	Yes H No.1.
6	Number of samples in shipping cor	Yes MNOT: 19 5 Vermicultie/pricking materials is NA HWe 1 (Chy.)
7.	Sample holding times exceeded?	tainer 5
\$.	Samples have:lape	NA (-) Yes () No ()
ń	Samples are: in good conditionbroken	hazard labels appropriate samples labels leaking
10. Fi	Sample pH taken? NA [] Sample Location, Sample Collector Let *For documentation only, No governmentation on the control of the control o	pH=2 [pH>2 [pH>2 []
12	Were any anomalies identified in en	ve action needed. Yes (No ! !
13	Description of anomalies (include samp	Te members)
Sample C		
Client	Sample ID Analysis Requested	Date: 2/15/07 1438
		Condition Commenistraction
iem fufor	med on	
No acti	on necessary, process as is.	Person contacted
ject Mans	ager	The second section is a second section of the second section of the second section is a second section of the second section is a second section of the second section
021 0705	nger	Ditte

Pacific Northwest National Lab	<u>Q</u>		SO Plutor	SO Plutonium-238,239/40 by Alpha Spec	County(ouss) by Alpha Sper	ú		ā	Pipet #:	
8	000 /	17159	51 CLIEN	51 CLIENT: HANFORD		,		Sep1 DT/Tm Tech:	Tech:	
SEQ Batch, Test: None All Test 7050426 CLTL,	:R ests: 7050402	pCi/L DHSS, 7050408	3 FPS5, 705	PM 2417 ARS6, 7050	Quote: SA, E	AIEH PCI/L PM, Quote: SA, 57671 All Tests: 7050402 DHSS, 7050408 FPS5, 7050417 ARS6, 7050420 AWTA, 7050422 6DSO, 7050424 BNTB,	424 BNTB,	Sep2 DT/Tm Tech:	Fech:	
	Total	1000	100	Investigation of the control of the				Prep	Prep Tech: ,BockJ	
Fime	Amt/Unit	Amt/Unit	it	OC Tracer Prep Date	Count Time Min	Detector Id	Count On Off (24hr) Circle		CR Analyst, Init/Date	Comments:
1 JPDMR-1-AC J7B130298-1-SAMP		200.60g,in	PU.	PUTC10502 01/23/07,pd 08/04/06.r	200					
02/12/2007 12:37		AmtRec: 20	AmtRec: 20ML,4XLP,2X4LP	P #Containers: 7	7		Scr. Alph	Scr. Alpha: 1.27E-02 uCi/Sa	1.7E-01L	Beta: -9 96E-04 uCi/Sa
J7B130298-1-DUP		198.40g,in	PP PO	PUTC10503 01/23/07,pd 08/04/06_r			Phone in the contract of the c	TO THE PROPERTY OF THE PROPERT		0.000
02/12/2007 12:37		AmtRec: 20	AmtRec: 20ML,4XLP,2X4LP	Containers: 7			Scr. Alph	Scr. Alpha: 1.27E-02 uCivsa	1 75 041	
3 JPNJJ-1-AA-B J7B190000-422-BLK		205.70g,in	PU 10	PUTC10504 01/23/07,pd <u>08/04/06,</u> r					100	Deta3.30⊑-04 UC/V38
2/2007 12:37		AmtRec:	O#	#Containers: 1			Scr.	Albha:		D 242.
4 JPNJJ-1-AC-C J7B190000-422-LCS	1	201.50g,in	PU 02.	PUSG0907 02/14/07,pd 08/04/06,r	J					osta.
/2007 12:37		AmtRec:	O #	#Containers: 1			Scr.	Alpha:		Beta:
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Clients for Batch: 384868, Pacific Northwest National Labouatoms	est Nations	service T					The state of the s			
JPDWR1AC-SAMP Constituent			1087	TTC NOT CHARRE	National Lab,	, SA , 57671				
RDL:	pci/r pci/r	LCL: LCL:20	UCL: UCL:105	RPD: RPD:20	PU-239	RDL:1	pci/L	LCL:70	UCL:130	RPD:20
PU-238 RDL:1 Pu-242 RDL:	pci/L pci/L	LCL:20	UCL: UCL:105	RPD: RPD:20	PU-239	RDL:1	pCi/L	LCL:	UCL:	RPD:
B. B.	ri I	LCL:70	UCL:130	RPD:20	Pu-242	RDL:	pci/r	LCL:20	UCL:105	RPD:20
STL Richland Key: In - Initial Amt,	Amt, fi-Fina	fi - Final Amt, di - Diluted Amt, \$1 - Sep1, \$2	ed Amt, s1 -	In - Initial Amt, fir Final Amt, di - Diluted Amt, s1 - Sep1, s2 - Sep2	Page 1	ISV - In	ISV - Insufficient Volume for Analysis	or Analysis		WO Cut: 4

			П опросия и при по	Comments:		Beta: -3.27E-04 u.C./Sa		Beta: -3 27E-04 IIC//Sa		Beta: -1.30E-04 uCi/Sa		Beta: 5.82E-04 uCi/Sa		Bela: -7 12E-04 inCi/Sa		Bata: .1 76E.04 1101/23	1 000000000000000000000000000000000000	Beta:	WO Cnt: 7 Prep_SamplePrep v4.8.26
Balance Id:1120482733	#:	ë	n: BockJ	CR Analyst, Init/Date	3/23/6765	Bela: -3.2		Beta: -3.9		Beta: -1.3		Beta: 5.82		Bela: -7 19		Reta: .176			WC Prep_Sa
Balance	Pipet #: Sep1 DT/Tm Tech:	Sep2 DT/Tm Tech:	Prep Tech: BockJ	Count On Off (24hr) Circle	1723	Alpha: 7.2¢E-04 uCi/Sa		Alpha: 7.29E-04 uCi/Sa		Alpha: -3.67E-04 uCi/Sa		Alpha: -7.89E-04 uCi/Sa		Alpha: 1,48E-03 uCi/Sa	417	Alpha: 9.60E-04 uCi/Sa		Alpha:	Analysis
	•				3/23/0100	Scr. Al		Sar, Al	5	Scr. Alp	HOU	Scr. Alp	10B	Scr. Alp	100	Scr. Ap	10 D	Scr.	ISV - Insufficient Volume for Analysis
nalysis	urve	7671		Count Time Min	50		50		50		50		50		50		50		ISV - In
ple Preparation/Analysis	by GPC using Am-241 curve IFORD	uote: SA, 5 0 BCS8.		Ppt or Geometry	35.1mg		43.3mg		14.5mg		49.4mg		26.8mg		32.4mg		0.7mg		Page 1
mple Prepara Prepara	a by GPC us	PM, Q AZS7, 7050430	Division Extension Extension Extension Experience			#Containers: 4		#Containers: 4		#Containers; 4		#Containers; 4		#Containers; 4		#Containers: 5	ARKaroverorikariski karazariski karazariski karazariski karazariski karazariski karazariski karazariski karaza	13: 1	
Samp AZ Gross Alpha l	S7 Gross Alpha by GPC 51 CLIENT: HANFORD	AWTA, 7050428		QC Tracer Prep Date		AmtRec: 20ML,500ML,LP,4LP		AmtRec: 20ML,500ML,LP,4LP		AmtRec: 20ML,500ML,LP,4LP		AmtRec: 20ML,500ML,LP,4LP		AmtRec: 20ML,500ML,LP,4LP		AmtRec: 20ML,2X500ML,2XLP		#Containers: 1	d Amt, s1 - Sep1, nent Cell, ct-Cock
aboratory ,		ATER PCI/L PM, Quote: SA, 57671 All Tests: 7050408 FPS5, 7050420 AWTA, 7050428 AZS7, 7050430 BCS8.		Initial Aliquot Amt/Unit	178.80g,in	AmtRec: 20M	179.20g,in	AmtRec: 20M	202.50g,in	AmtRec: 20M	179.60g,in	AmtRec: 20M	200.40g,in	AmtRec: 20MI	200.40g.in	AmtRec: 20ML	203.30g,in	AmtRec	In - Initial Amt, fir Final Amt, di - Diluted Amt, s1 - Sep1, s2 - Sep2 pd - Prep Dt, r - Reference Dt, ec-Enrichment Cell, ct-Cocktailed Added
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3/23/2007 3:53:05 PM 384868, Pacific Northwest National Laboratory	Pacinic Northwest National Lab AnalyDueDate: 03/30/2007	Batch: 7050428 SEQ Batch, Test: None	E C PROPERTY	Work Order, Lot, Sample DateTime	1 JPHEX-1-AA J7B150271-1-SAMP	02/13/2007 08:59	2 JPHEX-1-AF-X J78150271-1-DUP	02/13/2007 08:59	3 JPHFA-1-AA J7B150271-2-SAMP 	0.2/13/2007 11:13	4 JPHFH-1-AA J78150271-3-SAMP 	02/13/2007 10:09	5 JPHFJ-1-AA J7B150271-4-SAMP	02/13/2007 11:54	6 JPHGJ-1-AC J78150278-1-SAMP	02/14/2007 10:50	7 JPNJV-1-AA-B J7B190000-428-BLK 	02/13/2007 08:59	STL Richland Key: Richland Wa.

				•		מממ	Daiging 10.1 140404/33	
		AZ Gross Alpha PrpRC5014 S7 Gross Alpha by GPC usir	PrpRC5014 by GPC using Am-241 curve	urve		P	Pipet #:	
AnalyDueDate: 03/30/2007		51 CLIENT: HANFORD	ı			Sep1 DT/Tm Tech:	ech:	
Batch: 7050428 SEQ Batch, Test: None	DC//L					Sep2 DT/Tm Tech;	ech;	
			Microsome Micros	Emiliar de la companya del la companya de la companya de la companya del la companya de la companya del la companya de		Prep T	Prep Tech: ,BockJ	
Work Order, Lot, Total Sample DateTime Amt/Unit		QC Tracer Dish Prep Date Size	Ppt or Geometry	Count Time Min	.3	Count On Off (24hr) Circle	CR Analyst, Init/Date	Comments:
8 JPNJV-1-AC-C J7B190000-428-LCS	200.00g.in	asd4139 02/14/07,pd 02/03/06,r	0.5mg	20	(6A	L16)		8
02/13/2007 08:59	AmtRec:	#Containers: 1			Sar.	Alpha:		Beta:
Comments: JPHEX-SAMP "C	"Comments. Aliquots reduced due to weight screen	due to weight screen activity, J	activity, JB 03/06/07"				STATES OF THE	
		•		9	W,	DH 3/23/2007	(
All Clients for Batch: 384868, Pacific Northwest National	st National Laboratory	Pacific Northwest National	. National Lab,	SA , 57671				
A-SAMP Constituent	List:							
ALFRA JPNJVLAR-BLK:	pci/L LCL:	UCL: RPD:						
ALPHA RDL:3 JPNJV1AC-LCS:	pci/L LCL:	UCL: RPD:						
	pci/L LCL:70	UCL:130 RPD:20						
JPHEXLAA-SAMP Calc Info: Uncert Level (#s).: 2 JPNJV1AA-BLK:	Decay to Sabt: Y	Blk Subt.: N Sci	Sci.Not.: Y ON	ODRs: B				
Uncert Level (#s).: 2	Decay to SaDt: Y	Blk Subt.: N Sci	Sci.Not.: Y O	ODRs: B				
Uncert Lavel (#s).: 2	Decay to Sabt: Y	Blk Subt.: N Sci	Sci.Not.: Y OF	odrs: B				
			Approved By	1 By	And the second s		Date:	
STL Richland Key: In - Initial Amt	g	11- Final Amt dis Diluted Amt es. Const on Cons				A COLUMN TO THE PARTY OF THE PA		
	t, r - Reference Dt, ec-Ennich	pd - Prep Dt, r - Reference Dt, ec-Enrichment Cell, ct-Cocktailed Added	Page 2	ISV - Insi	ISV - Insufficient Volume for Analysis	for Analysis) M	WO Cnt: 8

384868, Pacific Northwest National Laboratory BC Gross Beta PrpRC5014 Pacific Northwest National Lab S8 Gross Beta by GPC using Sr/Y-90 curve S8 Gross Beta by GPC using Sr/Y-90 curve S8 Gross Beta by GPC using Sr/Y-90 curve S1 CLIENT: HANFORD S6 Gross Beta by GPC using Sr/Y-90 curve S1 CLIENT: HANFORD S6 Gross Beta by GPC using Sr/Y-90 curve S1 CLIENT: HANFORD S6 Gross Beta by GPC using Sr/Y-90 curve S1 CLIENT: HANFORD S6 Gross Beta by GPC using Sr/Y-90 curve S1 CLIENT: HANFORD S6 Gross Beta by GPC using Sr/Y-90 curve S7 Gross Beta by GPC using Sr/Y-90 curve S8 Gross Beta by GPC using Sr/Y-90 curve S6 Gross Beta by GPC using Sr/Y-90 curve S8 Gross Beta by GPC	BC Gross Beta PrpRC5014 S8 Gross Beta by GPC using Sr/Y-90 curve 51 CLIENT: HANFORD	ng Sr/Y-90 curve				
12007 SI CLIEN CIVIL ANI Tests: 7050408 FPS5, 7050420 AWTA, 705 Total Initial Aliquot QCT Amt/Unit Prep 199.00g,in Amt/Bec: 20ML,500ML,LP Amt/Bec:	VT: HANFORD	S -1 -20 cm &c			Tipet #:	
All Tests: 7050408 FPS5, 7050420 AWTA, 706 Total					Sep1 DT/Tm Tech:	Ľ
Total Initial Aliquot QCT Amt/Unit Prep 199.00g,in AmtRec: 20ML,500ML,LP	PM, Q 50428 AZS7, 7050430	luote: SA, 57671		A committee to be a second to the second to	Sep2 DT/Tm Tech:	
Unit Initial Aliquot Amt/Unit 199.00g,in AmtRec: 20ML,5000	polyments we show the polyments with the polyments with the polyments				Prep Tech: BockJ	: BockJ
199.00g	OC Tracer Dish Prep Date Size	Ppt or Geometry T	Count Count Lime Min	4	Count On Off (24hr) Circle	CR Analyst, Comments: Init/Date
	WANT AND THE STREET	71.9mg	100		A ALLEGORIA DE LA CONTRACTION DEL CONTRACTION DE LA CONTRACTION DE	
				A de la companya de l	# W W W W W W W W W W W W W W W W W W W	
	,4LP #Containers: 4			Scr.	Alpha: 7.29E-04 uCi/Sa	Beta: -3.27E-04 uCi/Sa
200.70g,in		41.8mg	100			
J78150271-2-SAMP	,4LP #Containers: 4			Scr.	Albha: -3.67E-04.irQi/Sa	Rata - 1 30E.04 in its
174.20g,in		72.1mg	100			DOLOR OF THE PROPERTY OF THE P
PARTIES AND						
	4LP #Containers: 4			Sor.	Alpha: -1.89E-04 uCi/Sa	Beta: 5.82E-04 uCi/Sa
199.70g,in		51.8mg	100			
Post State of the						
02/13/2007 11:54 AmtRec: 20ML,500ML,LP,4LP	4LP #Containers: 4			Sor:	Apha: 1.48E-03 uCi/Sa	Beta: -7.12E-04 uCi/Sa
200.20g,in		62.9mg	100	PARTITION OF THE PARTIT	AND THE COLUMN TWO DESCRIPTIONS OF THE COLUMN TO THE COLUM	
ESCALA CONTRACTOR OF CONTRACTO						
AmtRec: 20ML,2X500ML,2XLP	2XLP #Containers: 5			Sor:	Alpha: 9.60E-04 uCi/Sa	Beta: -1.76E-04 uCi/Sa
201.10g.in		69mg	100		de die ett gebruik were sprach plant werde de d	NAMES OF THE PROPERTY OF THE P
02/14/2007 10:50 AmiRec: 20ML,2X500ML,2XLP	XLP #Containers: 5			Scr	Alpha: 9 60F-04 uCi/Sa	Rata: .1 78E.04 in 7/63
201.001	Z.	PW PS 501	00)		10	Methodological
J.WAC-10-VO				201405c	0/5	2/13
Amirec: 20ML,2X500ML,2XLP	XLP #Containers: 5			Scr.	Alpha: 9.60E-04 uCi/Sa	Beta: -1.76E-04 uCi/Sa
Key: In - Initial Amt, fi - Final Amt, di - Diluted Amt, s1 - Sep1, s2 - Sep2 pd - Prep Dt, r - Reference Dt, ec-Enrichment Cell, ct-Cocktailed Added	1	Page 1	ISV - Insuff	īcient Volum	ISV - Insufficient Volume for Analysis	WO Cnt: 7

					CR Analyst, Comments:	, Jul. S	Beta: -1.76E-04 uCi/Sa		Beta: 3.54E-05 uCi/Sa		Beta: 5.54E-04 uCi/Sa 1.6E-01L	1	Beta: -3.53E-05 uCi/Sa		Beta:		Beta:	WO Cht: 13
Balance Id:	Pipet #:	Sep1 DT/Tm Tech:	Sep2 DT/Tm Tech:	Prep Tech:	Count On Off C	3/27/10/5	Aipha: 9,60E-04 u	No. of the dead of the property of the propert	Alpha: 3.18E-05 uCi/Sa		Alpha: 1.95E-04 uC//Sa	The state of the s	Alpha: 7.42E-05 uCi/Sa		Alpha:		Alpha:	ne for Analysis
			Sometime of the State of the St	Eleventario de la companya del companya del companya de la company	d.	D 26/234	Son		Scr.		Scr.	and the same of th	Ser		San		SGT	ISV - Insufficient Volume for Analysis
Sample Preparation/Analysis	Sr/Y-90 curve		PM, Quote: SA, 57671	ESTATEMENT OF THE PROPERTY OF	Ppt or Count Geometry Time Min	2 gm Pa)		80.4mg 100		28.6тд 100		0.2mg 100		0.7mg 100		0.5mg 100		Page 2 IS'
Sample Prepar	BC Gloss Beta PriphCould S8 Gross Beta by GPC using Sr/Y-90 curve	51 CLIENT: HANFORD	PM, Quo	Example of the second of the s	QC Tracer Dish Prep Date Size	5.1	ML,2XLP #Containers; 5		#Containers: 2		#Containers: 2		#Containers; 2		#Containers: 1	BESB3023 02/26/07,pd 08/08/06,r	#Containers: 1	- 1
	-		pCi/L		Initial Aliquot Q	501.102	AmtRec: 20ML,2X500ML,2XLP	197.50g,in	AmtRec: 20ML,LP	161.90g,in	AmtRec: 20ML,LP	202.90g,in	AmtRec: 20ML,LP	200.40g.in	AmfRec:	198.40g,in BESB3023 02/26/07 _{pd} 08/08/06.1	AmiRec	In - Initial Amt, fi - Final Amt, di - Diluted Amt, s1 - Sep1, s2 - Sep2
384868. Pacific Northwest National Laboratory	National Lab	03/30/2007) WATER None	Manufacture of the Control of the Co	. Total	Con-	Section of the sectio		NOTIFIED ASSOCIATION OF THE PROPERTY OF THE PR	No.		And the second s	an-caused of the control of the cont	Guilliani Diophili Vancani		Paramote Service Servi		Key: In - Initial Amt, fir-F
384868. Pacific Northwes	Pacific Northwest	AnalyDueDate:	Hatch: 7050430 WATER SEQ Batch, Test: None	10	Work Order, Lot, Sample DateTime	3 JPHGJ-2-AG·X J7B150278-1-DUP	02/14/2007 10:50	9 JPHHE-1-AA J7B150285-1-SAMP	02/14/2007 09:44	10 JPHHH-1-AA J7B150285-2-SAMP	02/14/2007 08:50	11 JPHHN-1-AA J7B150285-3-SAMP	02/14/2007 07:30	12 JPNJW-1-AA-B	02/14/2007 10:50	13 JPN JW-1-AC-C J7B 190000-430-LCS	02/14/2007 10:50	STL Richland Richland Wa.

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					Comments:									The second of th	WO Cnt: 13 ICOC v4.8.26
Balance Id:1120482733	##:	ch:	ch:	Prep Tech: ,BockJ	CR Analyst, Init/Date		The state of the s							Date:	
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unalysis	5	urve	The state of the s			b, SA, 57671	er e				ODRs: B	ODRs: B	ODEs: B	Approved By	- ASI
Sample Preparation/Analysis	2 CO 22 TO THE	3 08-11/16 Sun	- ' (Add and)		Ppt or Geometry	esults.JB 03/06/07" esults.JB 03/06/07" Northwest National Lab,					Sci.Not.: Y	Sci.Not.: Y	Sci.Not.: Y	Appro	Page 3
nple Pre	PrpRC5014	ny Grous NFORD		School Sc	Dish Síze	n activity. JB esults.JB 03/1	- 00	i da		RPD:20	N Sci.	N Sci.	M Sci.		s2 - Sep2 tailed Added
San	BC Gross Beta PrpRC5014	5 CLIENT: HANFORD			QC Tracer Prep Date	Le to weight screen ree to high screen re	171.	UCL.		UCL:130	Blk Subt.: 1	Blk Subt.: 1	Blk Subt.:]		d Amt, s1 - Sep1,
	ш -		pČi/L		Initial Aliquot Amt/Unit	Aliquots reduced du Aliquot reduced du	1.67.0	rcir		LCL:70	to SaDt: Y	to SaDt: X	to Sabt: Y		In - Initial Amt, fi - Final Amt, di - Diluted Amt, s1 - Sep1, s2 - Sep2 pd - Prep Dt, r - Reference Dt, ec-Enrichment Cell, ct-Cocktalled Added
			Andrew Agriculture (September 1988)		Jnit	Comments. A	List: pci/L	- PC1/L		pci/L	Decay	Десау	Decay		Amt, fi-Fir Ot, r-Refere
3 AM		//30/2007	9)	Total Amt/Unit	:X-SAMP " !H-SAMP " tch:	ituent	4		ų ų		(#s).: 2	(拳s).: 2		Key: In - Initial Amt, pd - Prep Dt, r
g 3/27/2007 10:26:33 AM	L. I	AnalyDueDate: 03/30/2007	Hatch: 7050430 SEQ Batch, Test: Non	ND	Work Order, Lot, Sample DateTime	Comments: JPHEX-SAMP "Comments. Aliquots reduced due to weight screen activity. JB 03/06/07" JPHHH-SAMP "Comments. Aliquot reduced due to high screen results. JB 03/06/07" All Clients for Batch: 384868, Pacific Northwest National Laboratory Pacific Northwest National	JPHEXIAC-SAMP Const BETA RDL:4	JPNJW1AA-BLK: BETA RDL:4	C-LCS:	TEMPET POLICE MODE:	Uncert Level UPNUW1AA-BLK:	evel	evel		STL Richland Key Richland Wa.

AnalyDueDate: 03/29/2007 Batch: 7050426 WATER pCI/L SEQ Batch, Test: None Work Order, Lot, Amt/Unit Amt/Unit 1 JPDMR-1-AD 903.50g,in	CL Sr-90 Prp/SepRC5006(5071) TL Sr-85 by Nal and Sr-90 by GPC 7 day ingrowth	CL Sr-90 Prp/SepRC5006(5071)	(071)					
	IL Sr-85 by		1 (11 (pipet #:	
	: : : : : : : : : : : : : : : : : : : :	Nal and Sr-90 I	by GPC 7 c	day ingrowt	c	Se	p1 DT/Tm Tech:	Sep1 DT/Tm Tech: 03/02/2007 13:40,ManisD
		₽ S	PM, Quote: SA, 57671	, 57671		Se	p2 DT/Tm Tech:	Sep2 DT/Tm Tech: 03/09/2007 09:11,ManisD
Lot, Total Time Amt/Unit		Discounting to the second of t					Prep Tech: ,BockJ	,BockJ
	quot QC Tracer nit Prep Date	Tracer Yield	Dish Size	Ppt or Geometry	Count Time Min	Detector (Count On Off (24hr) Circle	CR Analyst, Comments: InivDate
Name of the second of the seco	n SRTB14551 02/2007,pd 09/11/06,r		1.5	23.2	100	6.7 C A	1009 F 460	3/10/07 K
02/12/2007 12:37	AmtRec: 20ML,4XLP,2X4LP	#Containers: 7	9.49	VYVZ/ZBV7-13-40,51,-08/09/ZV87	68/08/2007	Scr. Alpha: 12	Scr. Alpha: 1.27E-02 uCVSa 1.7E-01	! .
2 JPDMR-1-AG-X J7B130298-1-DUP	n SRTB14552 02/20/07.pd 09/11/06.r		1.5	23.8	100	58 63	11	mm
			9/60	09/02/2607-13:40;s1,-09/09/2007	03/09/2007			
02/12/2007 12:37	AmtRec: 20ML,4XLP,2X4LP	#Containers: 7				Scr. Alpha: 1.	Scr. Alpha: 1.27E-02 uCi/Sa 1.7E-01L	11L Beta: -9.96E-04 uCi/Sa
3 JPNJR-1-AA-B J7B190000-426-BLK	in SRTB14553 02/20/07.pd 09/11/06.r		5.	23.8	100	62	600)	3/11/07 1
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02/12/2007 12:37	AmtBec: #Cont	#Containers: 1				Scr	Aloha:	CT ga
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STL Richland Key: In - Initial Amt, fi - Final Amt, di - Diluted Amt, s1 - Sep1, s2 - Sep2 Richland Wa. pd - Prep Dt, r - Reference Dt, ec-Enrichment Cell, ct-Cocktailed Added	fi - Final Amt, di - Diluted Amt, st - Sept, Reference Dt, ec-Enrichment Cell, ct-Cockt	Sep1, s2 - Sep2 Cocktailed Added	Page 1		ISV - Insuffici	ISV - Insufficient Volume for Analysis	Analysis	WO Cnt: 4 Prep_SamplePrep v4.8.26

Balance 1d:1120482733	Sept DT/Tm Tech: GOLOY 1:40:06 PM	12 DT/TIM Tech: 34/07 Q:11:08	Prep Tech: ,BockJ	Count On Off CR Analyst, Comments: (24hr) Circle InivDate	1553 3/2/07 n	F-02 uCi/Sa 1.7E-01L Beta: -9.96E-04 uCi/Sa	PO 20/dE 35111	E-02 uC//Sa 1.7E-01L Beta: -9.96E-04 uC///Sa	1656 =12/02010	Alpha: Beta:	7152 3/2/E 25L1	Alpha: Beta:	alysis WO Cnt: 4 Prep_SamplePrep v4.8.26
				Ppt or Count Detector C Geometry Time Min Id	3 '	Scr. Apha: 1.27E-02 uCi/Sa	j, b	Scr. Alpha: 1.27E-02 uGi/Sa	3.1	Sor.	3.11	Scr.	ISV - Insufficient Volume for Analysis
Sample Preparation/Analysis	TL Sr-85 by Nal and Sr-90 by GPC 7 day ingrowth 51 CLIENT: HANFORD	PM, Quote: SA, 57671	Employed Control of the Control of t	Ppt Prep Date Yield Size George	SRTB14551 1.146 0222007.pd 0222007.pd 0222007.pd 021106.1 2.0584	X4LP #	SRTB14552 . 04/3 / 02220/07.pd . 04/3 / 02220/07.pd . 04/3 . 02220/07.pd . 02220 . 04/3 . 02220 . 02	(4LP	In SHTB14553 1,720 2 02/2007.pd 2,0084 09/11/06,1 2,0084 WALIMIST 0.8664) #	SRSG1320 1,703 - 02/12/07,pd 2,0188 08/11/06,r 2,0188 08/11/06,r 2,0188	sc: #Containers: 1	In - Initial Amt, fi - Final Amt, di - Diluted Amt, s1 - Sep1, s2 - Sep2 Page 1 pd - Prep Dt, r - Reference Dt, ec-Enrichment Cell, ct-Cocktailed Added
3/1/2007 9:57:32 AM 384868, Pacific Northwest National Laboratory	AnalyDueDate: 03/29/2007	H Batch: 7050426 WATER pCi/L SEQ Batch, Test: None	Work Order Lot 11 Total	Time Amt/Unit	J7B130298-1-SAMP 0 903.50g,in 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		J78130298-1-DUP	7	3 JPN4R-1-A4-B J7B190000-426-BLK J7B190000-426-BLK THE STATE OF THE ST	2	4 JPNJR-1-AG-C 1003.10g,in SF J7B190000-426-LCS 02 02 04 05 05 05 05 05 05 05 05 05 05 05 05 05	02/12/2007 12:37 AmtRec:	STL Richland Key: In - Initial Amt, fi - Final Amt, di - Richland Wa. pd - Prep Dt, r - Reference Dt, ec-E

Sis Balance Id:1120482733 Pipet #: Sep1 DT/Tm Tech:	Sep2 DT/Fm Tech: Prep Tech: ,BockJ	Count Detector Count On Off CR Analyst, Comments:	VesulB. 93 3-1-07	A , 57671	NDL:2 pCi/L LCL:70 UCL:130 RPD:20	RDL:2 pci/L LCL: UCL: RPD:	RDL:2 DC1/L LCL:70 UCL:130 RPD:20	(A)	м	m	Date:	ISV - Insufficient Volume for Analysis WO Cnt: 4	Prep
Sample Preparation/Analysis CL Sr-90 Prp/SepRC5006(5071) TL Sr-85 by Nal and Sr-90 by GPC 7 day ingrowth 51 CLIENT: HANFORD		OC Tracer Dish Ppt or Prep Date Yield Size Geometry	the to high Screening vessills. 43 3-1-	Pacific Northwest National Lab, SA	UCL:105 RPD:20 Sr-90	UCL:105 RPD:20 Sr-90	UCL:105 RPD:20 Sr-90	Blk Subt.: N Sci.Not.: Y ODRs:	Blk Subt.: N Sci.Not.: Y ODRs:	Blk Subt.: N Sci.Not.: Y ODRs:	Approved By	ed Amt, s1 - Sep1, s2 - Sep2 Page 2	pd - Prep Dt, r - Reference Dt, ec-Enrichment Cell, ct-Cocktailed Added
	pCi/L	Initial Aliquot Amt/Unit	94 62.0 98 3-1-07	for Batch: Pacific Northwest National Laboratory	t: pci/L LCL:20	pci/L LCL:20	pCi/L LCL:20	Decay to SaDt: Y	Decay to Sabt: Y	Decay to SaDt: Y		t, fi - Final Amt, di - Diluted Amt, s1 - Sep1	r - Reference Dt, ec-Enrich
L	one	Work Order, Lot, Sample DateTime	omments:	All Clients for Batch: 384868, Pacific Northwest	UPDMRIAD-SAMP Constituent List: Sr-85 RDL: P	JPNJR1AA-BLK: Sr-85 RDL:	JPNJR1AC-LCS: Sr-85 RDL:	JPDMRIAD-SAMP Calc info: Uncert Level (#s).: 2	Uncert Level (#s).: 2	Uncert Level (#s).: 2		Кеу:	Richland Wa. pd - Prep Dt, r

384868, Pacific Northwest National Laboratory , Pacific Northwest National Lab AnalyDueDate: 03/26/2007 \ \times \colon \								
Pacific Northwest National Lab AnalyDueDate: 03/26/2007 \ \times \colon	AW Gamma ProBC5017	017			d.	Pinet #:		
Batch: 7050420 WATER pCi/L SEQ Batch, Test: None		E E			Sep1 DT/Tm Tech:	ech:		0.000
SEQ Batch, Test: None		PM, Quote: SA , 57671	57671		Sep2 DT/Tm Tech:	ech:		
			Part Conference of the Confere		Prep T	Prep Tech: ,BockJ	/APA	
Work Order, Lot, Total Initial Alique Sample DateTime Amt/Unit Amt/Unit	Initial Aliquot QC Tracer Amt/Unit Prep Date	Dish Ppt or Size Geometry	Count Time Min	å	Count On Off (24hr) Circle	CR Analyst, Init/Date		Comments:
1 JPAPP-1-AA 2002.60g.in J7B120175-1-SAMP	g,in	7~00	00/	49	J33Y	3/18/60	CO	
Displacement of the control of the c	AmtRec: 20ML,2X500ML,4LP #Coi	#Containers: 4		Sor:	Alpha: 1.82E-06 uCi/Sa	Sa	Beta: 7.96E-07 uCVSa	Sa
2 JPDMW-1-AC J78130298-3-SAMP	ni,g			(2)	1331			
Annual of the An	AmtRec: 20ML,2X500ML,LP,3X4LP #	#Containers: 7		Scr. A	Sor: Alpha: 1.00E-02 uCi/Sa	2.5E-01L	Beta: -2.15E-03 uCi/Sa	Sa
3 JPDM3-1-AC 1959.70g,in	nj.g			1))	1235			
J7B130298-4-SAMP	AmtRec: 20ML,2X500ML,LP,3X4LP #	#Containers: 7		Sor. 7	Scr. Alpha: 1.18E-02 uCi/Sa	2.1E-01L	Beta: -1.16E-03 uCV/Sa	Sa
4 JPDM3-1-AG-X 1972.80g,in J7B130298-4-DUP	ni,g			(1)	(29)	Me an arter age		
02/12/2007 11:36	AmtRec: 20ML,2X500ML,LP,3X4LP #	#Containers: 7		Scr. /	Scr. Alpha: 1.18E-02 uCi/Sa	2.1E-01L	Beta: -1.16E-03 uCi/Sa	/Sa
5 JPHEX-1-AD 1999.40g,in J7B150271-1-SAMP	ui,gc			29	1333			2 3 8 8 8 8 8 7 7
2007/13/2007 08:28	AmtRec: 20ML,500ML,LP,4LP #Cc	#Containers: 4		Sor:	Alpha: 7.29E-04 uCVSa	/Sa	Beta: -3.27E-04 uCi/Sa	/Sa
6 JPHFA-1-AD J7B150271-2-SAMP	Jg,in			Ú, Ú	JES (b 1 1 1 1 1 1 1 1 1	1
2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/	AmiRec: 20ML,500ML,LP,4LP #Co	#Containers: 4		Sor	Alpha: -3.67E-04 uCi/Sa	//Sa	Beta: -1.30E-04 uCi/Sa	/Sa
7 JPHFH-1-AD J7B150271-3-SAMP	ni,g0	\rightarrow	\rightarrow	9	12 1333			
02/(3/2007 10:09	AmtRec: 20ML,500ML,LP,4LP #C	#Containers: 4		Scr.	Alpha: -1.89E-04 uCi/Sa	i/Sa	Beta: 5.82E-04 uCi/Sa	/Sa
STL Richland Key: In - Initial Amt, fi - Final Am	In - Initial Amt, fi - Final Amt, di - Diluted Amt, s1 - Sep1, s2 - Sep2 pd - Prep Dt, r - Reference Dt, ec-Enrichment Cell, ct-Cocktailed Added	9 - Sep2 Page 1	-781	ISV - Insufficient Volume for Analysis	ume for Analysis	A CONTRACTOR OF THE PROPERTY O	WO Cnt: 7 Prep_SamplePrep v4.8.26	7 rep v4.8.2

	H3/2/2007 8:03:07 AM	The second secon	San	nple Prepa	Sample Preparation/Analysis	ysis		Balance	Balance Id:1120482733	9
Facility Charteres March Laborator	7 384868, Pacific Northwest Natic	anal Laboratory ,	AW Gamma Prp	RC5017				Pip	¥;	The state of the s
	Pacific Northwest National Lab		TA Gamma by I	HPGE NFORD			v	sep1 DT/Tm Te	ch:	
Section Sect	HAnalyDueDate: 03/26/2007							i i		
	Batch: 7050420 WATER			PM, Qu	ote: SA, 576	c	,	sep2 DI/Im 16	ich:	
Wayer Outsign Lat	C SEC Baton, 1881. Notie			No committee of the com			Marine Marine	Prep Te	sch: ,BockJ	e de la companya de l
	-			Dish Size	Ppt or Geometry	Count De		nt On Off thr) Circle	CR Analyst Init/Date	Comments:
	8 JPHFJ-1-AD 178150271-4-SAMP				100ml) ad/	513	1330	3/2/2	
2005 90g/in Anni Hoc 20ML 3NLP 4LP #Containers 5 Soc Apha 524C4 LOCks 28E014 Bb 2002 80g in OCAGG1341 C S 3 - Z - C 7 Manifec #Containers 1 Soc Apha 52E014 Bb Soc Apha 52E014 Ccc Apha 52E014 Bb Soc Apha 52E014 Bb Soc Apha 52E014 Ccc Apha 52E014 Bb Soc Apha 52E014 Ccc Apha 52E014 Bb Soc Apha 52E014 Ccc Apha 52E014 Bb Soc Apha 52E014 Bb Soc Apha 52E014 Ccc Apha 52E014 Bb Soc Apha 52E014 Bb Soc Apha 52E014 Ccc Apha 52E014 Bb Soc Apha 52E014		AmtF	Rec: 20ML,500ML,LP,4LP	#Containers: 4				pha: 1.48E-03 uCI/S		Beta: -7.12E-04 uCi/Sa
	9 JPMDG-1-AA J7B180101-1-SAMP	2005.90g,in				Mil-tern Maria And a residence (See 1988)	(4)	1151		
	Facilities	Amt		#Containers: 5			Scr. Alpha	. 6.24E-04 uCl/Sa		Beta: 6,70E-05 uCl/Sa
	10 JPNJF-1-AA-B	2000.10g.in					50	Š		
	J7B190000-420-BLK	Amf		1 sade			Sor.	/ 5/ & Alpha:		Beta:
	11 JPNJF-1-AC-C	2002.80g,in	QCAG1			│	99	101 11		residencial descriptions of company and the company of the company
Clients for Batch: A L L L L C L C A S - L - C	0.000	Amti	03/0/	ners: 1			Scr.	/ J / X Alpha:		Beta:
Clients for Batch: 384868, Pacific Northwest National Laboratory Pacific Northwest National Lab. SA, 57671 PPIAA-SAMP Constituent List:	Comments: PH C 2 C	C)& 3-	0							
Constituent List: NDL:0.00E+00 pCi/L LCL: UCL: UCL: RPD: Cs-134 RDL:0.00E+00 pCi/L LCL: UCL:130 RDL:0.00E+00 pCi/L LCL:70 UCL:130 RDL:0.00E+00 pCi/L LCL:70 UCL:130 RDL:0.00E+00 pCi/L LCL: UCL: UCL: RPD: Sb-125 RDL:0.00E+00 pCi/L LCL: UCL: RPD: Sb-125 RDL:0.00E+00 pCi/L LCL: UCL: RPD: RPD: Cs-134 RDL:0.00E+00 pCi/L LCL: UCL: UCL: RPD: RPD: Cs-134 RDL:0.00E+00 pCi/L LCL: UCL: UCL: UCL: RPD: RPD: Cs-134 RDL:0.00E+00 pCi/L LCL: UCL: UCL: UCL: RPD: RPD: Cs-134 RDL:0.00E+00 pCi/L LCL: UCL: UCL: UCL: UCL: UCL: UCL: UCL	Clients 384868,	sst National Labor		Northwest		•				
RDL:0.00E+00 DCI/L LCL: UCL: RPD: Eu-155 RDL:0.00E+00 DCI/L LCL: UCL: UCL: UCL: RPD: Sb-125 RDL:0.00E+00 DCI/L LCL: UCL: UCC:	Constituent RDL:0.00E+00	ist: pci/L	0.2	RPD: RPD:20	Cs-134 Cs-137DA	RDL:0.00E+0 RDL:6.00E+0		LCL: LCL:70	UCL: UCL:130	RPD: RPD:20
RDD:0.00E+00 pci/L LCL: UCL: RPD: Cs-134 RDL:0.00E+00 pci/L LCL: UCL: Kay In Initial Amt file Final Amt file Am		pci/r pci/r		RPD:	Eu-155 Sb-125	RDL:.00E+00 RDL:0.00E+0		LCL: LCL:	der: der:	RPD: RPD:
Kav. In Initial Amt fill Final Amt rill Diluted Amt s1 - Sept. S2 - Sept. Page 2				RPD:	Cs-134	RDL:0.00E+0		LCL:	ucr.:	RPD:
pd - Prep Dt, r - Reference Dt, ec-Enrichment Cell, ct-Cocktailed Added	STL Richland Key: Richland Wa.	II Amt, fill Final Amt, Dt. re Reference Dt, e	di - Diluted Amt, s1 - Sei c-Enrichment Cell, ct-Co	p1, s2 - Sep2 ocktailed Added	Page 2	ISV - Insu	ficient Volume	for Analysis		WO Cnt: 11 Prep_SamplePrep v4.8.26

Sept DT/Tm Tech: Prep Tech: ,BockJ, Julian	2 3/8/2007 10:11:02 AM		Sam	ile Prepai	Sample Preparation/Analysis	llysis		Balanc	Balance Id:1120482733	82733
The continue of Letter		aboratory ,	BN I-129 Prp/Sepi	RC5025				ā	ipet #:	
POCH Public Shipper Corresponding Public Shipper Public Shipper Public Shipper Public Shipper Public Shipper Count of the Shipper Public Sh	AnalyDueDate: 03/29/2007	12150	IB Gamma by LE 51 CLIENT: HANI	FORD				Sep1 DT/Tm	Tech:	
	Batch: 7050424 WATER	pCi/L	A CONTRACTOR OF THE PROPERTY O	PM, Que	ite: SA, 576	171		Sep2 DT/Tm	Tech:	
Initial Airigord Population	ל מביל המניין - נפטר - ילטופן מביל המניין - נפטר - ילטופן			Technology of the Control of the Con	To the second se			Prep	Tech: ,Bock	M. BostalD
3995.60g,n ITA8999		Initial Aliquot Amt/Unit	QC Tracer Prep Date	Dish Size	Ppt or Geometry	Count Time Min	Detector	Count On Off (24hr) Circle	CR An Init/D	alyst, Comments:
3878.40g.in TA6100 34.7 44.73 5601. Aphia: 127E.02 uCitSa 17E-01 17A6100 3878.40g.in TA6101 3892.50g.in TA6101 3892.50g.in TA6102 38	1 JPDMR-1-AA J7B130298-1-SAMP	3965.60g,in	ITA6099 02/23/07		3H.8	8-	67	1536		Gus
3952.60g,In TTA6100	02/12/2007 12:37	AmtRec: 20		ontainers: 7			Scr. A	Npha: 1.27E-02 uCi/Sa		Beta: -9.96E-04 uCi/Sa
3992_60g,in Th6101 25.0 C 5.3 Th6101 22.307 35.0 C 5.3 Th6101 22.307 3992_60g,in Th6102 3961_30g,in Th6102 36.1 Amiflec. 20ML.2X4LP #Containers; 7 35.1 C 7.2 37.3 37.45_10g,in Th6103 3992_50g,in Th6103 37.45_10g,in Th6103 Th6	2 JPDMR-1-AF-X J7B130298-1-DUP	3878.40g,in	17A6100 02/23/07		24.7		M	(23)		
3992.60g,in ITA6101 35.0	02/12/2007 12:37	AmtRec 20		ontainers: 7		-	Scr. A	, Npha: 1.27E-02 uCi/Sa		Beta: -9.96E-04 uCi/Sa
AmfRec: 20ML_2X4LP #Containers: 3 Scr. Aptra: 5.38=.04 uCitSa 3961.30g.in	3 JPDMT-1-AA J78130298-2-SAMP	3932.60g,in	ITA6101 02/23/07		35.0		S	(53)		
3961.30g,in ITA6102 35.1	07/1/2/2014 07/1/2014 07/1/2014	AmtRec: 24		tainers: 3		-francisco de estado	Sor	Alpha: 5.33E-04 uC	X/Sa	Beta: 1.89E-04 uCi/Sa
Amithec. 20M.L.2X500ML_LP.3X4LP #Containers: 7 Amithec. 20ML_2X500ML_LP.3X4LP #Containers: 7 Amithec. 20ML_2X500ML_LP.3X4LP #Containers: 7 Amithec. 20ML_2X500ML_LP.3X4LP #Containers: 7 Amithec. 20ML_2X500ML_LP.3X4LP #Containers: 1 Amithec. #Containers: 1 Amithec. #Containers: 1 Amithec. #Containers: 1 Scr. Alpha: 1.18E-02 ucit/sa 2.1E-01L Scr. Alpha: 1.18E-02 ucit/sa 2.1E-01L Apha: Apha: Apha: 1.22006 Amithec. #Containers: 1 Scr. Alpha: Apha: Apha: 1.22006 Amithec. #Containers: 1 Scr. Alpha: Apha: Apha: Amithec. #Containers: 1 Scr. Alpha: Apha: Apha: Amithec. #Containers: 1 Amithec. #Containers: 1 Amithec. #Containers: 1 Scr. Alpha: 1.18E-02 ucit/sa 2.1E-01L	4 JPDMW-1-AD J7B130298-3-SAMP	3961.30g,in	17A6102 02/23/07		35.1			1723	3/13,	0
3932.50g,in ITA6103 355.9	02/12/2007 11:36	AmtRec: 20	JML,2X500ML,LP,3X4LP	#Containers: 7			Scr. A	Npha: 1.00E-02 uCi/Sa		Beta: -2.15E-03 uCi/Sa
AmtRec: 20ML, 2x500ML, LP, 3x4LP #Containers: 7 Scr: Alpha: 1.18E-02 uCivSa 2.1E-01L AmtRec: #Containers: 1 AmtRec: #Containers: 1 AmtRec: #Containers: 1 AmtRec: #Containers: 1 Scr: Alpha: Alpha: Alpha: Alpha: 19 1 0 0 0 AmtRec: #Containers: 1 Scr: Alpha: 10 0 0 AmtRec: #Containers: 1 Scr: Alpha: Scr: Alpha	5 JPDM3-1-AD J7B130298-4-SAMP	3932,50g,in	1TA6103 02/23/07		35.9		H7	prL,		
	02/12/2007 11:36	AmtRec: 20	OML,2X500ML,LP,3X4LP	#Containers: 7			Scr. A	Npha: 1.18E-02 uCi/Sa		Beta: -1.16E-03 uCi/Sa
AmtRec: #Containers: 1 3894.20g.in ISD0734 12/20/06	5 JPNJM-1-AA-8 J7B190000-424-BLK	3745.10g,in	17A6104 02/23/07		35.1		57	per!		
AmtRec: #Containers: 1 Scr. Alpha: Alpha: al Amt, fi - Final Amt, di - Diluted Amt, s1 - Sep1, s2 - Sep2 Page 1 ISV - insufficient Volume for Analysis	7 JPNJM-1-AC-C J7B190000-424-LCS	3894.20g,in	#Containers ISD0734 12/20/06		38,6	Į.	13 July 1	1910	2	Dela:
Key: In - Initial Amt, fir Final Amt, dir Diluted Amt, s1 - Sep1, s2 - Sep2 Page 1 ISV - insufficient Volume for Analysis	02/12/2007 12:37	AmtRec:	#Containers.	1			Scr.	Alpha:		Beta:
pe	STL Richland Key: Richland Wa.	fi - Final Amt, di - Di Reference Dt, ec-Enri	luted Amt, s1 - Sep1, s chment Cell, ct-Cockte	1 1	age 1	- ASI	Insufficient Volur	ne for Analysis		WO Cnt: 7 Prep_SamplePrep v4.8.26

AnalyDueDate: 03/29/2007 Batch: 7050424 SEQ Batch, Test: None Work Order, Lot, Total Initial Aliquot Sample DateTime AmvUnit AmvUnit Comments: \(\text{AmvUnit} \) \(\text{AmvUnit} \)	BN I-129 Prp/SepRC5025 TB Gamma by LEPD 51 CLIENT: HANFORD	pRC5025 EPD NFORD	•	Pipet #:	Pipet #;	***************************************
# C C S S	TB Gamma by LEPD 5I CLIENT: HANFOR	Q				
11 0 0				Sep1 DT/Tm Tech:	÷.	angu appara anna para rawa
ot, Total	genous	STATE OF THE STATE		Sep2 D	I/Tm Tech: Prep Tech: ,BockJ	
OH < 2.0	QC Tracer Prep Date	Dish Ppt or Size Geometry	Count Detector Time Min Id	Count On Off (24hr) Circle	CR Analyst, Init/Date	Comments:
Clients for Batch: 384868, Pacific Northwest National Laboratory	tory Pacific Northwest	west National Lab,	, SA, 57671			
JPDWRIAA-SAMP Constituent List: I-129 RDL:1.00E+00 pCi/L LCL:	UCL: RPD:					
JPNJM1AA-BLK: I-129 RDL:1.00E+00 pCi/L LCL:	UCL: RPD:					
JPNJM1AC-LCS: I-129 RDL:5 pCi/L LCL:70	0 UCL:130 RPD:20	20				
JPDMRIAA-SAMP Calc Info: Uncert Level (#s).: 2 Decay to SaDt:	Y Blk Subt.: N	Sci.Not.: Y	ODRs: B			
JPNJMIAA-BLK: Uncert Level (#s).: 2 Decay to SaDt:	Y Blk Subt.: N	Sci.Not.: Y	ODRs: B			
DPNUMIAC-LCS: Uncert Level (#s).: 2 Decay to SaDt: Y	Y Blk Subt.: N	Sci.Not.: Y	ODRs: B			(Separate Park Servi
		Approved By	red By		Date:	
STL Richland Key: In - Initial Amt, fi - Final Amt, di - Diluted Amt, s1 - Sep1, s2 - Sep2 Richland Wa. pd - Prep Dt, r - Reference Dt, ec-Enrichment Cell, ct-Cocktailed Added	fi - Final Amt, di - Diluted Amt, s1 - Sep1, s2 - Sep2 Reference Dt, ec-Enrichment Cell, ct-Cocktailed Adde	Sep2 Page 2 Added	ISV - Insufficient Volume for Analysis	olume for Analysis	W Prep	WO Cnt: 7 Prep_SamplePrep v4.8.26

3/1/2007 12:31:32 PM	0,	Sample Prepa	ple Preparation/Analysis	ysis		Balance Id	Balance Id:1120482733	- Mine Age Age Control
384868, Pacific Northwest National Laboratory	•.	FP Tc-99 Prp/SepRC5065				Pipet #:		
7	-	S5 Technetium-99 by Liquid Scint 5I CLIENT: HANFORD	Scint			Sep1 DT/Tm Tech:	••	
			CA 6767	7		Acce Tite		
Batch: 7050408 WATER pCI/L SEQ Batch, Test: None	:1/F	Ž, š	PIM, Quole: 3A, 3/6/1			Sepz DI/IM recm:	(
		ACCUMENTS SECONDARY POLICY THE POLICY SECONDARY SECONDARY SECONDARY SECONDARY				Prep Tech: ,BockJ	: ,BockJ	A STATE OF THE PROPERTY OF THE
Work Order, Lot, Total Amt Total Sample Date /Unit Acidified/Unit	Unit Initial Aliquot Unit Amt/Unit	Adj Aliq Amt (Un-Acidifled)	QC Tracer Prep Date	Count Time Min	Detector Id	Count On Off (24hr) Circle	CB Analyst, Init/Date	Comments:
1 JPAPP-1-AC	125.40g,in	125.40g		09.	·			
J78120175-1-SAMP	AmtRec: 20ML,2X500ML,4LP	.P #Containers: 4			Scr.	Alpha: 1.82E-06 uCi/Sa	Beta: 7.96	Beta: 7.96E-07 uCi/Sa
2 JPAPP-1-AF-X	125.10g,in	125.10g						
17B120175-1-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-	Amillac 20ML 2X500ML4LP	P #Containers: 4			Sor.	Alpha: 1.82E-06 uCi/Sa	Beta: 7.96	Beta: 7.96E-07 uCi/Sa
3 JPAPR-1-AC	125.00g,in	125.0	SAMONE TO COMMUNICATION OF THE SAMONE TO COMPANY OF THE SAMONE TO COMPA					
J7B120175-2-SAMP								
Parameter (20/200) (20/20	AmtRec: 20ML,500ML,LP	#Containers: 3	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Scr	Alpha: -6.16E-05 uCVSa	Beta: 3.10	Beta: 3.10E-04 uCi/Sa
4 JPAPR-1-AD-S	124.70g,in	124.70g	tcsg1778 01/24/07.nd					
J78120175-2-MS			01/10/06.r					
02/09/2007 11:51	AmtRec: 20ML,500ML,LP	#Containers: 3	**************************************		Sor:	Alpha: -6.16E-05 uCi/Sa	Beta: 3.10	Beta: 3.10E-04 uCi/Sa
5 JPAP2-1-AC	125.70g,in	125.70g						
U7B120175-3-SAMP	AmtRec: 20ML,500ML,LP	#Containers: 3			Ser	Alpha: 4.31E-04 uCi/Sa	Beta: -2.04	Beta: -2.04E-04 uCi/Sa
6 JPAP5-1-AC	125.10g,in	125.10g						
J7B120175-4-SAMP	AmtRec: 20ML,500ML,LP	#Containers: 3			Ser:	Alpha: -4,78E-05 uCi/Sa	Beta: 1.85	Beta: 1.85E-04 uCi/Sa
7 JPDCV-1-AC	125.10ց,iո	125.10g		7				
J7B130255-1-SAMP	AmtRec: 20ML,500ML,LP	#Containers: 3			Scr.	Alpha: -1,35E-04 uCVSa	Beta: 3.91	Beta: 3.91E-04 uCi/Sa
STL Richland Key:	In - Initial Amt, file Final Amt, dil-Diluted Amt, s1 - Sep1, s2 - Sep2	- Sep1, s2 - Sep2 ct-Cocktailed Added	Page 1	ISV - Insu	ISV - Insufficient Volume for Analysis	e for Analysis	W Prep_S	WO Cnt: 7 Prep_SamplePrep v4.8.26
T Highland Wa.								

G3/1/2007 12:31:34 PM	Sample Preparation/Analysis	S	Balance Id:1120482733	32733
2384868. Pacific Northwest National Laboratory	FP Tc-99 Prp/SepRC5065		Dina¢#.	
2 Pacific Northwest National Lab	S5 Technetium-99 by Liquid Scint		- their	
AnalyDueDate: 03/26/2007	51 CLIENT: HANFORD		Sept DT/Tm Tech:	
Batch: 7050408 WATER PCI/L	L PM, Quote: SA , 57671		Sep2 DT/Tm Tech:	
Z SEQ Baton, 165t; None		E VANCO AND	Prep Tech: ,BockJ	, .
Work Order, Lot, Total Amt Total Sample Date // Unit Acidified/Unit	Initial Aliquot Adj Ali Amt/Unit (Un-A-	Count Detector Time Min Id	Count On Off CR Analyst, (24hr) Circle Init/Date	nalyst, Comments: Date
8 JPDMW-1-AE J78130298-3-SAMP	124.90g,in 124.90g	09		
20.7200	AmtRec: 20ML_2X500ML,LP,3X4LP #Containers: 7	Scr. Apt	Sor: Alpha: 1.00E-02 uG/Sa 2.5E-01L	Beta: -2.15E-03 uCi/Sa
9 JPDM3-1-AE	125.10g,in 125.10g	and the same of th		
J7B130298-4-SAMP	AmiRec: 20ML,2X500ML,LP,3X4LP #Containers: 7	Scr. Apr	Scr. Alpha: 1.18E-02 uCVSa 2.1E-01L	Beta: -1.16E-03 uCi/Sa
10 JPHEX-1-AE	125.20g,in 125.20g			
		Š	Alban 7 005 04 107/00	2010 NO 370 C. 1940 C.
02/13/2007 08:59	1L,LP,4L	OCI.	Apia, r.zar-v4 uvra	DBIA: "0.2.1 E-'04 UO! 0A
11 JPHFA-1-AE J7B150271-2-SAMP	125.00g,in			
	AmtRec: 20ML,500ML,LP,4LP #Containers: 4	Scr.	Alpha: -3.67E-04 uCi/Sa	Beta: -1.30E-04 uCi/Sa
12 JPHFH-1-AE	126.80g,in 126.80g			
J7B150271-3-SAMP	AmtRec: 20ML,500ML,LP,4LP #Containers: 4	Sor:	Alpha: -1.89E-04 uCi/Sa	Bela: 5.82E-04 uCi/Sa
13 JPHFJ-1-AE	125.60g,in 125.60g			
J7B150271-4-SAMP	AmtRec: 20ML 500ML, LP, 4LP #Containers: 4	Sor	Alpha: 1.48E-03 uCi/Sa	Beta: -7.12E-04 uCVSa
14 JPHGJ-1-AE	125,50g,in 125.50g	>		
J7B150278-1-SAMP /	AmtRec: 20ML,2X500ML,2XLP #Containers: 5	Scr.	Alpha: 9.60E-04 uCi/Sa	Beta: -1,76E-04 uCi/Sa
				ZE 90 SORIC CLERCON NO CHIEF PRO CHIEF CLERCON CLERCON CONTROL
STL Richland Key: Richland Wa.	In - Initial Amt, fi - Final Amt, di - Diluted Amt, s1 - Sep1, s2 - Sep2 Page 2 pd - Prep Dt, r - Reference Dt, ec-Enrichment Cell, ct-Cocktailed Added	ISV - Insufficient Volume for Analysis	e for Analysis	WO Cnt: 14 Prep_SamplePrep v4.8.26
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S 3/1/2007 12:31:35 PM	1:35 PM			vample Preparation/Analysis	なるころで	200		Balance	Balance Id:1120482733	
			FP TC-(FP Tc-99 Prp/SepRC5065	i co			Pipet #:	*	The second secon
HOTS HAnalyDueDat	e: 03/26/2007		S5 lec 51 CLII	SS Technetium-99 by Liquid Scint SI CLIENT: HANFORD				Sep1 DT/Tm Tech:	ch:	
Batch; 7050408 SEO Batch, Test: None	. None	PCI/	1/1	income in the control of the control		TOTAL STATE OF THE	Access Lings Monte	Sep2 DT/Tm Tech: Prep Tech:	I/Tm Tech: Prep Tech: ,BockJ	
Work Order, Lot,	t, Total Amt	Total	Initial Aliquot	Adj Aliq Amt	QC Tracer	Count	Detector	Count On Off	CR Analyst,	Comments:
Sample Date	===	Acidilled/Unit	=	= ==	Liep Date	8	2			
17B190000-408-BLK (17B1900000-4008-BLK (17B1900000000000000000000000000000000000	77B190000-408-BLK		AmtRec:	#Containers: 1			Scr	Alpha:		Beta:
16 JPNH3-1-AC-C J7B190000-408-LCS	rcs	Martin des en la proposition des propositions de la proposition della proposition de	127.40g,in	127.40g	tcse2081 02/21/07,pd 01/10/06,r	To desire the control of the control				
02/09/2007 08:2	100 C C C C C C C C C C C C C C C C C C		AmtRec:	#Containers: 1			Scr.	Alpha:		Beta:
17 JPNH3-1-AD-BN J7B190000-408-IBLK	N IBLK									
20/2007 08:22	### A 1	· · · · · · · · · · · · · · · · · · ·	AmtRec:	#Containers: 1			Scr.	Alpha:		Beta:
18 JPNH3-1-AE-BN J7B190000-408-IBLK	ž Ž					3				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
02/09/2007 08:27		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AmtRec:	#Containers: 1			Scr	Alpha:		Beta:
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All Clients for Batch: 384868, Pacific No	for Batch: Pacific Northwest National Laboratory	t National		Pacific Northwest 1	National Lab,	SA , 57671				
TPAPPIAC-SAMP TC-99 JPAPRIAD-MS:	Constituent List: RDL:15 p	st: pci/L	LCL:70 UCL	UCL:130 RPD:20						
JPNH31AA-BLK: Tc-99 JPNH31AC-LCS:		pci/I		, (
Tc-39 STL Richland	KDL: L	pc1/L Amt, fi-Final	fi - Final Amt, di - Diluted Amt, s1 - Sep1	Amt, s1 - Sep1, s2 - Sep2	Page 3	- ASI	ISV - Insufficient Volume for Analysis	ne for Analysis		WO Cut: 18
1 Richland Wa		t. r - Reference	e Dt, ec-Enrichment (pd - Prep Dt. r - Reference Dt. ec-Enrichment Cell, ct-Cocktailed Added					Pret	Prep_samplePrep v4.8.25

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Balance Id:	Pipet #: Sep1 DT/Tm Tech:	Sep2 DT/Tm Tech: Prep Tech:	Count On Off (24hr) Circle									and Address of the Control of the Co								A CHARLES AND A	ne for Analysis
ation/Analysis	Scint					Y ODRS: B	C.: Y ODRS: B	C.: Y ODRS: B	C.: Y ODRS: B	C.: Y ODRS: B	C.: Y ODRS: B	Approved By								e all'Albert de la California de la Cali	Page 4 ISV - Insufficient Volume for Analysis
Sample Preparation/Analysis	FP Tc-99 Prp/SepRC5065 S5 Technetium-99 by Liquid Scint 51 CLIENT: HANFORD	Astronomy and the second secon	Initial Aliquot Adj Aliq Amt Amt/Unit (Un-Acidified)	UCL: RPD:	UCL: RPD:	Y Blk Subt.: N Sci.Not.:	Y BIK Subt.: N Sci.Not.:	Y Blk Subt.: N Sci.Not.:	Y BIk Subt.: N Sci.Not.:	Y Blk Subt.: N Sci.Not.:	Y BIK Subt.: N Sci.Not.:		-							да ден поста ден на поста br>Ста поста пост	In - Initial Amt, fi - Final Amt, di - Diluted Amt, s1 - Sep1, s2 - Sep2 Pp - Prep Dt, r - Reference Dt, ec-Enrichment Cell, ct-Cocktailed Added
		pCi/L	Total Acidifled/Unit	pci/L LCL:	pci/L LCL:	Decay to SaDt:	Decay to Sabt:	Decay to SaDt:	Decay to SaDt:	Decay to Sabt:	Decay to SaDt:										Amt, fi - Final Amt, di)t, r - Reference Dt, ec-l
93/1/2007 12:31:36 PM	L H HAnalyDueDate: 03/26/2007	Batch: 7050408 SEQ Batch, Test: None	Work Order, Lot, Total Amt Sample Date /Unit	UPNH31AD-IBLK: TC-99 RDL:15 TPNH1AP-IBLK:	TC-99 RDL:15	JPAPPIAC-SAMP Calc Info: Uncert Level (#s).: 2	UPAPRIAD-MS: Uncert Level (#s).: 2	JPNH31AA-BLK: Uncert Level (#s).: 2	Urwasiat-Las: Uncert Level (#s).: 2	UPNH31AD-1BLK: Uncert Level (#s).: 2	JPNH31AE-IBLK: Uncert Level (#s).: 2	wa wakani	 2		Photographic control						STL Richland Key: In - Initial Amt,

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384868, Pacific Northwest National Laboratory Pacific Northwest National Lab	_	AM Tc-99 Prp/SepRC5078 S5 Technetium-99 by Liquid Scint	8 Juid Soint			Pipet #:	
AnalyDueDate: 04/02/2007	12/500	51 CLIENT: HANFORD			Se	Sep1 DT/Tm Tech:	
atch: 7050405 WATER	pCi/L	PM	PM, Quote: SA, 57671	57671	Se	Sep2 DT/Tm Tech:	
		NA SECONDARY			Printerson And State St	Prep Tech: ,BockJ	k
Work Order, Lot, Total Sample DateTime	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Count Time Min	Detector Id	Count On Off (24hr) Circle	CR Analyst, Init/Date	Comments:
1 JPMDG-1-AC / J7B180101-1-SAMP	124.80g.in	A CONTRACTOR OF THE CONTRACTOR	3)			MANAGAMAN MANAGA	
02/15/2007 10:31	AmtRec: 20ML,3XLP,4LP	LP #Containers: 5			Scr. Apha: 6.24E-04 uCi/Sa	24E-04 uCi/Sa 2.9E-01L	Beta: 6.70E-05 uCVSa
2 JPMDG-1-AD-X	125.50g,in	AND THE PROPERTY OF THE PROPER				1	
02/15/2007 10:31	AmtRec; 20Ml, 3XLP,4LP	LP #Containers: 5			Scr. Alpha: 6.2	Alpha: 6.24E-04 u.Ci/Sa 2.9E-01L	Beta: 6.70F-05.iiCi/Sa
3 JPMDH-1-AC J7B180101-2-SAMP	125.80g,in				With forces and agreement that the first of	1	
02/15/2007 12:05	AmiRec: 20ML,500ML,4XLP	,4XLP #Containers: 6	Ş		Scr. Albha	Aloha: 2.29E-04 uCi/Sa	Rafa: -1 37E.04 iiCi/Sa
4 JPMDH-1-AE-S J7B180101-2-MS	126.50g,in	tcsg1779 02/28/07,pd 01/10/06					
02/15/2007 12:05	AmtRec: 20ML,500ML,4XLP	4XLP #Containers: 6	9		Scr. Alpha	Albha: 2.29E-04 uCi/Sa	Beta: -1 37E-04 uCilCa
5 JPMDJ-1-AC	127.20g,in						
J7B180101-3-SAMP	AmtRec: 20ML,500ML,4XLP	4XLP #Containers: 6	g ₀		Sor: Albha	Aloha: -3 73E-05 irOi/Sa	Rata: -2 05E-05 1101/6a
6 JPNH2-1-AA-B	127.30g,in						
J78190006-405-BLK	AmfRec	#Containers: 1			Sor	Aloha:	
7 JPNH2-1-AC-C J7B190000-405-LCS	126.30g,in	tcse2082 02/21/07,pd 01/10/06.r	->				
02/15/2007 10:31	AmtRec:	#Containers: 1			Scr.	Alpha:	Beta:
Key	fi - Final Amt, di - Diluted Amt, s1 - Sep1, s2 - Sep2	s1 - Sep1, s2 - Sep2	Page 1	- ASI	ISV - Insufficient Volume for Analysis	nalysis	WO Cnt: 7
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Sep2 DT/Tm Tech: Count Delector Count On Off CAnalyst, Internal Lab, SA , 57671 Scr. Apha: Be ci.Not.: Y ODRs: B ci.Not.: Date: Date:	Sept DTTm Tech: Count Descript Count On Off CAArabyst, Time Man Did (24th) Circle CAArabyst, Time Man Lab, SA , 57671 Scr. Apha: Be ci.Not.: Y ODRs: B ci.Not.: Y ODRs: Ci.Not.: Y O	Sept DT/Tm Tech: Count Descript Count On Off CR Analyst, Time Min Descript Count On Off C4th Olicie IntiOate	S5 Technetium-99 by Liquid Scint SI CLIENT; HANFORD
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Pacific Northwest National Lab		AR H-3 Prp/SepRC5007			Pipet #:	7
AnalyDueDate: 03/26/2007 (\(\mathcal{O}\)	7	51 CLIENT: HANFORD			Sep1 DT/Tm Tech:	S-9-0 Tax
1	pCi/L	PM, Quo	PM, Quote: SA, 57671		Sep2 DT/Tm Tech:	
סביא המנסון, וכסג. אסווס		Execution of the control of the cont			Prep Tech:	
Work Order, Lot, Total Sample DateTime	Initial Aliquot Amt/Unit	QC Tracer Co	Count Detector Time Min Id	Count On Off (24hr) Circle	off CR Analyst,	st, Comments:
1 JPAPR-1-AA J78120175-2-SAMP						
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2 JPAP2-1-AA J7B120175-3-SAMP 	AmtRec: 20ML,500ML,LP	#Containers: 3		S	Alpha: 4.31E-04 u.O./.Sa	Beta: -2 (ME-04 u.C.)(Sa
3 JPAP5-1-AA			TO A LOSS OF THE PROPERTY OF T		NAMES OF THE PROPERTY OF THE P	
02/09/2007 10:14	AmtRec: 20ML,500ML,LP	#Containers: 3		Scr	Alpha: -4.78E-05 uCVSa	Beta: 1.85E-04 uCi/Sa
4 JPDCV-1-AA J7B130255-1-SAMP		-				
02/12/2007 12:39	AmtRec: 20ML,500ML,LP	#Containers: 3		Scr.	Alpha: -1.35E-04 uCi/Sa	Beta: 3.91E-04 uCi/Sa
5 JPDCV-1-AD-X J7B130255-1-DUP						verwyspiecestolikie de
02/12/2007 12:39	AmtRec: 20ML,500ML,LP	#Containers: 3		Scr.	Alpha: -1.35E-04 uCi/Sa	Bela: 3.91E-04 uCi/Sa
6 JPDMW-1-AA J7B130298-3-SAMP						
02/12/2007 11:36	AmtRec: 20ML,2X500ML,LP,3X4LP	P,3X4LP #Containers: 7		Sor	Alpha:	Beta:
7 JPDM3-1-AA J7B130298-4-SAMP						Alexandra de la companya de la comp
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김84868, Pacific Northwest National Laboratory Pacific Northwest National Lab	_	AR H-3 Prp/SepRC5007		•		Pipet #:	
JueDate: 03/26/2007		51 CLIENT: HANFORD	···d		δ,	Sep1 DT/Tm Tech:	3907m
Batch: 7050417 WATER	pci/L	PW.	PM, Quote: SA, 57671	7671	Se	Sep2 DT/Tm Tech:	<u> </u>
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8 JPHGJ-1-AA J78150278-1-SAMP							
50	AmtRec: 20ML,2X500ML,2XLP	ML,2XLP #Containers: 5	5		Scr:	Alpha:	Beta:
9. JPMDH-1-AA J78180101-2-SAMP							
07 12:05	AmtRec: 20ML,500ML,4XLP	,4XLP #Containers: 6			Scr.	Alpha:	Beta:
10.0FM.DL-1-AA J78180101-3-SAMP							
02/15/2007 41:26	AmtRec: 20ML,500ML,4XLP	.,4XLP #Containers: 6			Scr.	Alpha:	Beta:
11 JPNH5-1-AA-B J7B19D0D0-417-BI K							
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12 JPNH5-1-AC-C J7B190000-417-LCS						ON THE REAL PROPERTY OF THE PR	Anderson of the designation of the state of
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13 JPNH5-1-AD-BX J7B190000-417-MBLK 	AmBer	#Containare: 1				àinha	. 44 C C
14 JPNH5-1-AE-CM J78190000-417-MLCS	in the control of the		ender mennen Villadelig i sing zustellen verstellen der eine	mmontyvak dykazyytyski saleka pokytynikano			
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17 17 17 17 17 17 17 17	AnalyDueDate: 03/26/2007		ιά	I CLIENT: HZ	ANFORD			Se		19072
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		26/2007		SI CLIENT:	HANFORD				Sep1 DT,	/Tm Tech:	
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		pd - Prep Dt, r - Refe	srence Dt, ec-Enrich	hment Cell, ct-C	Socktailed Add		2		ioi Aliarysis		

V43/2/2007 12:23:10 PM	Sample Preparation/Analysis	S Balance d:1120482733	
384868, Pacific Northwest National Laboratory		Pipet #:	
A Pacific Northwest National Lab AnalyDueDate: 03/26/2007	SS Total Uranium by KPA 51 CLIENT: HANFORD	Sep1 DT/Tm Tech:	
Batch: 7050402 WATER	ug/L PM, Quote: SA , 57671	Sep2 DT/Tm Tech:	
Octobator, 1881. None		BockJ / 中の子	40
Work Order, Lot, Sample DateTime	Initial Aliquot QC Tracer Count Detector Amt/Unit Prep Date Time Min Id Id	ctor Count On Off CR Analyst, (24hr) Circle Init/Date	Comments:
1 JPAPP-1-AD	27.10g.in		
02/09/2007 08:27	AmtRec: 20ML,2X500ML,4LP #Containers: 4	Scr: Alpha: 1.82E-06 u.Ci/Sa Beta: 7.9	Beta: 7.96E-07 uCi/Sa
2 JPAPP-1-AE-X	25.20g.in		
02/09/2007 08:27	AmtRec: 20ML,2X500ML,4LP #Containers: 4	Scr: Alpha: 1.82E-06 uCi/Sa Beta: 7.5	Beta: 7.96E-07 uCi/Sa
3 JPDMW-1-AF	25.20g,in		
07130299-3-SAMP	Amt Rec. 20ML 2X500MLLP 3X4LP #Containers: 7	Ser. Alaba: 1:00F-02:00//Sa 2:5F-011 Reta: -2	Refa - 2 15E-03 uC/VSa
4 JPDMW-1-AG-S	10		
J7B130298-3-MS	02/20/07.pd 01/23/07.r		1000 A - 04 - 04 - 04 - 04 - 04 - 04 - 04
02/12/2007 11:36	AmtRec: 20ML,2X500ML,LP,3X4LP #Containers: 7	Scr.: Alpha: 1,00E-02 uCi/Sa 2,5E-01L Beta: -2.	Beta: -2.15E-03 uCV/Sa
5 JPDM3-1-AF	24.90g,in		
J7B130298.4-SAMP	AmtRec: 20ML,2X500ML,LP,3X4LP #Containers: 7	Sor: Alpha: 1.18E-02 uCi/Sa 2.1E-01L Beta: -1.	Beta: -1 16E-03 uCVSa
6 JPHGJ-1-AF	25.00g,in		
U7B150278-1-SAMP			
02/14/2007 10:50	AmtRec: 20ML,2X500ML,2XLP #Containers: 5	Scr. Apha: 9.60E-04 uCi/Sa Beta: -1.	Beta: -1.76E-04 uCi/Sa
7 JPMDH-1-AD	25.90g.in		
02/15/2007 12:05	AmtRec: 20ML,500ML,4XLP #Containers: 6	Scr. Alpha: 2.29E-04 uCi/Sa Beta: -1.	Beta: -1.37E-04 uCi/Sa
STL Richland Key: In - Initial Amt, fi- H Richland Wa. pd - Prep Dt, r - Ref	In - Initial Amt, fi - Final Amt, di - Diluted Amt, s1 - Sep1, s2 - Sep2 Page 1 pd - Prep Dt, r - Reference Dt, ec-Enrichment Cell, ct-Cocktailed Added	ISV - Insufficient Volume for Analysis Prep_8	WO Cnt: 7 Prep_SamplePrep v4.8.26
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384868 Pacific Northwest National Laboratory								
Pacific Northwest National Lab	-	DH UNat_Laser PrpRC501 SS Total Iranium by KPA	r PrpRC5015				Pipet #:	THE RESIDENCE OF THE PARTY OF T
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Batch: 7050402 WATER SEO Batch Test: None	ng/L		PM, Q	PM, Quote: SA, 5	, 57671	S	Sep2 DT/Tm Tech:	
			SAME TO THE SAME T		American Service of the Control of t		Prep Tech: ,BockJ	кJ
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14114111111111111111111111111111111111	AmtRec: 20Mi	AmtRec: 20ML,500ML,4XLP	#Containers: 6			Sor: Alpi	Alpha: -3.73E-05 uCi/Sa	Beta: -2.05E-05 uCi/Sa
9 JPNH0-1-AA-B J7B190000-402-BLK	25.20g,in					DONORNI REPORCE - NAVIGE CONTRACTOR - NAVIGE C	A CANADA CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CO	North Commence of the Commence
02/09/2007 08:27	AmtRec:	#Containers: 1	ers: 1	1		Scr.	Alpha:	Beta:
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02/09/2007 08:27	AmtRec:	#Containers: 1	ers: 1			Scr.	Alpha:	Beta:
11 JPNH0-1-AD-C	25.60g.in	UNSC1569	69					T. FOR an analysis designation of the following statement of the second statem
178190000-402-LCS		02/27/07.pd 04/28/06,r	pd [,]					
02/09/2007 08:27	AmtRec:	#Containers: 1	ers: 1			Sor:	Alpha:	Beta:
Comments: PH CZ.O	23-7-ON							
Clients for Batch: 384868, Pacific Northwest National	al Laboratory	Pacífic	Northwest National	ational Lab,	, SA , 57671			
JPAPPLAD-SAMP Constituent List: Uranium RDL:1.44E-01 ug/L JPDWM1AG-MS:	ICL:	UCL:	R.P.D.:					
UPNHOLAA-BLK: Uranium RDL:1.44E-01 ug/L	rcr:	UCL:	RPD:					
Uranium RDL:0.144343 ug/L	LCL:70	UCL:130	RPD:20					
STL Richland Key: In - Initial Amt, fi - Final Amt, di - Diluted Amt, s1 - Sep1, s2 - Sep2	fi - Final Amt, di - Diluted Amt, s1 - Sep1, s2 - Sep2	ed Amt, s1 - Sep		Page 2	· \S\	ISV - Insufficient Volume for Analysis	Analysis	WO Cnt: 11

3/8/2007 7:48:02 AM

ICOC Fraction Transfer/Status Report ByDate: 3/8/2006, 3/13/2007, Batch: '7050422', User: 'ALL Order By DateTimeAccepting

Q Batch Work	Batch Work Ord CurStatus				Comments	
7050422	***************************************	CONTRACTOR			STATE CONTROL OF THE PROPERTY	
AC	CalcC	BockJ	3/1/2007 11:58	:36		
SC		wagarr	IsBatched	2/19/2007 2:31:07 PM	ICOC_RADCALC v4.8.26	
SC		BockJ	InPrep	3/1/2007 11:58:36 AM	rich-rc-5016 rEVISION 6	
SC		BockJ	Prep1C	3/1/2007 1:55:44 PM	RICH-RC-5016 REVISION 6	
SC		FABREM	Sep1C	3/6/2007 10:55:41 AM	RICH-RC-5010 REVISION 4	
SC		FABREM	Sep2C	3/6/2007 4:55:53 PM	RICH-RC-5039 REV 5	
SC		DAWKINSO	InCnt1	3/6/2007 5:25:28 PM	RICH-RD-0008 REVISION 4	
SC		BlackCL	CalcC	3/7/2007 9:23:01 AM	RICH-RD-0008 REVISION 4	
4 <i>C</i>		BockJ	3/1/2007 1:55:4	4 PM		
AC .		FABREM	3/6/2007 10:55:	41		
4 <i>C</i>		FABREM	3/6/2007 4:55:5	3 PM		
4 <i>C</i>		DAWKINSO	3/6/2007 5:25:2	8 PM		
4 <i>C</i>		BlackCL	3/7/2007 9:23:0	1 AM		

AC: Accepting Entry; SC: Status Change

STL Richland

3/27/2007 10:19:29 AM

ICOC Fraction Transfer/Status Report ByDate: 3/27/2006, 4/1/2007, Batch: '7050428', User: *ALL Order By DateTimeAccepting

Q Batch W	ork Ord CurSta	itus Ac	cepting		Comments	
7050428	TO SHE THE MICHIAN AND THE CONTROL OF THE SHEET OF THE SH					
4 <i>C</i>	CalcC	BockJ	3/6/2007 11:23	:59		
SC		wagarr	IsBatched	2/19/2007 2:31:07 PM	ICOC RADCALC v4.8.26	
SC		BockJ	InPrep	3/6/2007 11:23:59 AM	RICH-RC-5014 Revision 6	
SC		BockJ	Prep1C	3/6/2007 2:08:30 PM	RICH-RC-5014 REVISION 6	
SC		AshworthA	InPrep2	3/21/2007 11:49:53 AM	RICH-RC-5014 REVISION 6	
SC		HARBINSOND	Prep1C	3/23/2007 3:44:08 PM	RICHRC5014 REV6	
SC		DAWKINSO	InCnt1	3/23/2007 6:15:57 PM	RICH-RD-0003 REVISION 4	
SC		DAWKINSO	CalcC	3/23/2007 9:05:30 PM	RICH-RD-0003 REVISION 4	
4C		BockJ	3/6/2007 2:08:3	80 PM		
4C		AshworthA	3/21/2007 11:4	9:53		
4C		HARBINSOND	3/23/2007 3:44:	:08 PM		
4 <i>C</i>		DAWKINSO	3/23/2007 6:15:	57 PM		
4C		DAWKINSO	3/23/2007 9:05:	:30 PM		

AC: Accepting Entry; SC: Status Change

STL Richland

3/27/2007 3:44:06 PM

ICOC Fraction Transfer/Status Report ByDate: 3/27/2006, 4/1/2007, Batch: '7050430', User: *ALL Order By DateTimeAccepting

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SC		BockJ	InPrep	3/6/2007 10:01:39 AM	RICH-RC-5014 Revision 6	
SC		BockJ	Prep1C	3/6/2007 10:23:29 AM	RICH-RC-5014 REVISION 6	
SC		HARBINSOND	Prep1C	3/23/2007 3:43:03 PM	RICHRC5014 REV6	
SC ,		DAWKINSO	InCnt1	3/23/2007 6:47:29 PM	RICH-RD-0003 REVISION 4	
SC		DAWKINSO	CalcC	3/23/2007 9:05:24 PM	RICH-RD-0003 REVISION 4	
SC .		BlackCL	InCnt1	3/27/2007 10:55:00 AM	RICH-RD-0003 REVISION 4	
SC .		BlackCL	CalcC	3/27/2007 12:43:03 PM	RICH-RD-0003 REVISION 4	
C		BockJ	3/6/2007 10:23	:29		
IC		HARBINSOND	3/23/2007 3:43	:03 PM		
С		DAWKINSO	3/23/2007 6:47	:29 PM		
iC		DAWKINSO	3/23/2007 9:05	:24 PM		
IC		BlackCL	3/27/2007 10:5	5:00		
IC		BlackCL	3/27/2007 12:4	3:03		

AC: Accepting Entry; SC: Status Change

STL Richland

3/14/2007 8:13:43 AM

ICOC Fraction Transfer/Status Report ByDate: 3/14/2006, 3/19/2007, Batch: '7050426', User: 'ALL Order By DateTimeAccepting

Q Batch Work Ord CurStatus A			ccepting	Comments			
7050426	***************************************		The second secon	MARKET THE RESIDENCE OF THE PROPERTY OF THE PR		Pilithera	
AC	CalcC	BockJ	3/1/2007 9:49:	23 AM			
SC		wagarr	IsBatched	2/19/2007 2:31:07 PM	ICOC_RADCALC v4.8.26		
SC .		BockJ	InPrep	3/1/2007 9:49:23 AM	rich-rc-5016 rEVISION 6		
5 <i>C</i>		BockJ	Prep1C	3/1/2007 9:57:38 AM	RICH-RC-5016 REVISION 6		
5 C		ManisD	InSep1	3/1/2007 2:46:08 PM	RICH-RC-5006 REV 6		
SC .		ManisD	Sep1C	3/2/2007 1:42:32 PM	RICH-RC-5006 REV 6		
SC .		StringerR	InCnt1	3/2/2007 1:58:57 PM	RICH-RD-0007 REVISION 5		
5 <i>C</i>		DAWKINSO	Cnt1C	3/2/2007 7:49:20 PM	RICH-RD-0007 REVISION 5		
SC		ManisD	InSep2	3/9/2007 9:03:44 AM	RICH-RC-5071 REV 4		
5C		ManisD	Sep2C	3/9/2007 1:53:24 PM	RICH-RC-5071 REV 4		
SC .		StringerR	InCnt1	3/9/2007 1:58:05 PM	RICH-RD-0003 REVISION 4		
SC .		StringerR	CalcC	3/11/2007 10:42:53 AM	RICH-RD-0003 REVISION 4		
AC		BockJ	3/1/2007 9:57:	38 AM			
4 <i>C</i>		ManisD	3/1/2007 2:46:0	08 PM			
AC		ManisD	3/2/2007 1:42:0	32 PM			
4 <i>C</i>		StringerR	3/2/2007 1:58:5	57 PM			
4 <i>C</i>		DAWKINSO	3/2/2007 7:49:2	20 PM			
4 <i>C</i>		ManisD	3/9/2007 9:03:4	14 AM			
1 <i>C</i>		ManisD	3/9/2007 1:53:2	24 PM			
4 <i>C</i>		StringerR	3/9/2007 1:58:0	05 PM			
IC		StringerR	3/11/2007 10:4	2:53			

AC: Accepting Entry; SC: Status Change

STL Richland

3/19/2007 3:35:15 PM

ICOC Fraction Transfer/Status Report ByDate: 3/19/2006, 3/24/2007, Batch: '7050420', User: *ALL Order By DateTimeAccepting

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7050420				ktyranopropropriosentidele hotel fals fil pylobianosisonentional en platique (ARS by 2 his 00000000000000000000000000000000000	
AC	CalcC	BockJ	3/1/2007 1:16:1	1 PM	
SC		wagarr	IsBatched	2/19/2007 2:31:07 PM	ICOC_RADCALC v4.8.26
SC		BockJ	InPrep	3/1/2007 1:16:11 PM	RICH-RC-5016 Revision 6
SC		BockJ	Prep1C	3/2/2007 8:03:09 AM	RICH-RC-5017 REVISION 5
SC		AshworthA	InPrep2	3/13/2007 9:57:57 AM	RICH-RC-5017 REVISION 4
SC		AshworthA	Prep2C	3/15/2007 11:14:27 AM	RICH-RC-5017 REVISION 4
SC		BlackCL	InCnt1	3/15/2007 11:45:43 AM	RICH-RD-0007 REVISION 5
SC		DAWKINSO	CalcC	3/15/2007 6:29:35 PM	RICH-RD-0007 REVISION 5
AC		BockJ	3/2/2007 8:03:0	9 AM	
AC		AshworthA	3/13/2007 9:57:	57	
AC		Ashworth A	3/15/2007 11:14	4:27	
AC		BlackCL	3/15/2007 11:4	5:43	
AC		DAWKINSO	3/15/2007 6:29:	35 PM	

AC: Accepting Entry; SC: Status Change

STL Richland

3/19/2007 1:47:33 PM

ICOC Fraction Transfer/Status Report ByDate: 3/19/2006, 3/24/2007, Batch: '7050424', User: *ALL Order By DateTimeAccepting

Q Batch Wor	rk Ord CurStat	tus A	ccepting		Comments
7050424	SSTAN HAMMAN METALKINI KANDANINA MARILANDA	orenneum en bijddig fallen fan en en er fyljegerje (jenneum en groe)	PCCCONTENT OF THE PROPERTY OF	HING AND ADDRESS AND AN AREA CONTROL C	
4 <i>C</i>	CalcC	BockJ	3/8/2007 9:49:2	28 AM	
SC		wagarr	IsBatched	2/19/2007 2:31:07 PM	ICOC_RADCALC v4.8.26
SC		BockJ	InPrep	3/8/2007 9:49:28 AM	rich-rc-5014 rEVISION 6
SC		BockJ	Prep1C	3/8/2007 10:11:08 AM	RICH-RC-5017 REVISION 5
SC		BostedD	InPrep2	3/12/2007 12:42:42 PM	RICHRC5025 REV3
SC		BostedD	Prep2C	3/13/2007 1:24:45 PM	RICHRC5025 REV3
SC		BlackCL	InCnt1	3/13/2007 1:53:25 PM	RICH-RD-0007 REVISION 5
SC		DAWKINSO	CalcC	3/13/2007 8:22:44 PM	RICH-RD-0007 REVISION 5
4C		BockJ	3/8/2007 10:11:	:08	
4 <i>C</i>		BostedD	3/12/2007 12:42	2:42	
AC .		BostedD	3/13/2007 1:24:	45 PM	
4C		BlackCL	3/13/2007 1:53:	25 PM	
4C		DAWKINSO	3/13/2007 8:22:	44 PM	

AC: Accepting Entry; SC: Status Change

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3/5/2007 3:39 04 PM

ICOC Fraction Transfer/Status Report ByDate: 3/5/2006, 3/10/2007, Dat ht '7050408', User: *ALL Order By DateTimeAccepting

Batch Work Ord Cu	urStatus /	Accepting		Comments
7050408	an energia de la comunicación de escena en el esta esta esta esta entre se en en en en en esta portación de es	00000000000000000000000000000000000000	· · · · · · · · · · · · · · · · · · ·	
IC Cal	cC BockJ	3/1/2007 12:21	:31 PM	
SC .	wagarr	IsBatched	2/19/2007 2:31:07 PM	ICOC_RADCALC v4.8.26
SC .	BockJ	InPrep	3/1/2007 12:21:31 PM	RICH-RC-5016 Revision 6
SC .	BockJ	Prep1C	3/1/2007 12:31:36 PM	RICH-RC-5016 REVISION 6
C	FABREM	Sep1C	3/2/2007 3:03:10 PM	RICH-RC-5078 REVISION 3
C	DAWKINSO	InCnt1	3/2/2007 3:21:27 PM	RICH-RD-0001 REVISION 3
C	StringerR	CalcC	3/4/2007 11:38:11 AM	RICH-RD-0001 REVISION 3
0	BockJ	3/1/2007 10:21	:36 I [*] M	
С	FABREM	3/2/2007 1 0:	7 PM	
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С	StringerR	3/4/2007 11:38	:11	

AC: Accepting Entry; SC: Status Change

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Grp Rec Cnt: 5 ICOCFractions v4.8,26 3/9/2007 11:20:04 AM

ICOC Fraction Transfer/Status Report ByDate: 3/9/2006, 3/14/2007, Batch: '7050405', User: *ALL Order By DateTimeAccepting

Batch Work	Ord CurStat	us	Accepting		Comments
050405					
iC	CalcC	BockJ	3/1/2007 12:35	:16 PM	
iC .		wagarr	IsBatched	2/19/2007 2:31:07 PM	ICOC_RADCALC v4.8.26
iC .		BockJ	InPrep	3/1/2007 12:35:16 PM	RICH-RC-5016 Revision 6
iC .		BockJ	Prep1C	3/1/2007 12:43:52 PM	RICH-RC-5016 REVISION 6
SC .		FABREM	Sep1C	3/7/2007 9:06:38 AM	RICH-RC-5078 REVISION 3
C C		StringerR	InCnt1	3/7/2007 9:12:13 AM	RICH-RD-0001 REVISION 3
iC		BlackCL	CalcC	3/8/2007 6:37:37 AM	RICH-RD-0001 REVISION 3
C		BockJ	3/1/2007 12:43	:52 PM	
C		FABREM	3/7/2007 9:06:3	88 AM	
С		StringerR	3/7/2007 9:12:1	3 AM	
C		BlackCL	3/8/2007 6:37:3	37 AM	

AC: Accepting Entry: SC: Status Change

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3/14/2007 1:00:41 PM

ICOC Fraction Transfer/Status Report ByDate: 3/14/2006, 3/19/2007, Batch: '7050417', User: *ALL Order By DateTimeAccepting

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aceric; maybigo Hilde community qualification and community of			reconstitute de la companya del la companya de la c	
CalcC	McDowellD	3/8/2007 11:09	:54	
	wagarr	IsBatched	2/19/2007 2:31:07 PM	ICOC_RADCALC v4.8.26
	McDowellD	InSep1	3/8/2007 11:09:54 AM	RICH-RC-5007 REVISION 6
	McDowellD	Sep1C	3/12/2007 3:22:35 PM	RICH-RC-5007 REVISION 6
	DAWKINSO	InCnt1	3/12/2007 5:11:46 PM	RICH-RD-0001 REVISION 3
	BlackCL	CalcC	3/14/2007 6:35:25 AM	RICH-RD-0001 REVISION 3
	McDowellD	3/12/2007 3:22:	:35 PM	
	DAWKINSO	3/12/2007 5:11:	:46 PM	
	BlackCL	3/14/2007 6:35:	:25	
	arecani meganisti shikada na mammaq qanginga kakamada sankan da saka kakamada sa kakamada sa kakamada sa kakama	CalcC McDowellD wagarr McDowellD McDowellD DAWKINSO BlackCL McDowellD DAWKINSO	CalcC McDowellD 3/8/2007 11:09 wagarr IsBatched McDowellD InSep1 McDowellD Sep1C DAWKINSO InCnt1 BlackCL CalcC McDowellD 3/12/2007 3:22 DAWKINSO 3/12/2007 5:11	CalcC McDowellD 3/8/2007 11:09:54 wagarr IsBatched 2/19/2007 2:31:07 PM McDowellD inSep1 3/8/2007 11:09:54 AM McDowellD Sep1C 3/12/2007 3:22:35 PM DAWKINSO InCnt1 3/12/2007 5:11:46 PM BlackCL CalcC 3/14/2007 6:35:25 AM McDowellD 3/12/2007 3:22:35 PM DAWKINSO 3/12/2007 5:11:46 PM

AC: Accepting Entry; SC: Status Change

STL Richland

Richland Wa

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Grp Rec Cnt:4 ICOCFractions v4.8.26 3/21/2007 9:23:48 AM

ICOC Fraction Transfer/Status Report ByDate: 3/21/2006, 3/26/2007, Batch: '7050402', User: *ALL Order By DateTimeAccepting

Batch Work Ord	CurStatus	;	Accepting		Comments
50402	CONTRACTOR OF THE PARTY OF THE	WAA dalaa aa	THE STATE OF THE S		AND THE PROPERTY OF THE PROPER
2	Cnt1C	BockJ	3/2/2007 12:16	:19 PM	
>		wagarr	IsBatched	2/19/2007 2:31:07 PM	ICOC_RADCALC v4.8.26
2		BockJ	InPrep	3/2/2007 12:16:19 PM	rich-rc-5014 rEVISION 6
)		BockJ	Prep1C	3/2/2007 12:25:14 PM	RICH-RC-5015 REVISION 4
0		AshworthA	InPrep2	3/13/2007 9:53:47 AM	RICH-RC-5015 REVISION 4
2		AshworthA	Prep2C	3/15/2007 11:14:36 AM	RICH-RC-5015 REVISION 4
		NelsonT	Cnt1C	3/20/2007 3:54;31 PM	RICH-RC-5058 REV 7
		BockJ	3/2/2007 12:25:	:14 PM	·
		AshworthA	3/13/2007 9:53:	:47	
7		AshworthA	3/15/2007 11:1	4:36	
		NelsonT	3/20/2007 3:54:	:31 PM	

AC: Accepting Entry; SC: Status Change

STL Richland

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